

Power Standards By Grade

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Kindergarten through Grade 2

**Idaho
Power Standards for Language Arts
Kindergarten**

671. Reading. Read a variety of grade-level materials and apply strategies appropriate to various situations.

01. The student will read a variety of traditional and electronic materials for information and understanding.

Phonics/Phonemic Awareness

- b. Using various techniques, identify and/or name two or more words that rhyme: detect, generate, and produce.
- d. Orally blend phonemes into words.
- e. Recognize names of upper and lower case letters.
- f. Match letters to letter sounds.
- g. Identify beginning, middle, and ending letters in a word.

Concepts About Print

- h.
 - Identify front of book
 - Attend to print
 - Use picture clues to support text
 - Demonstrate understanding of where to begin reading
 - Move left to right across print
 - Make return sweep to next line of text
 - Match word by word
 - Understand first and last of text; top and bottom of page; and order of pages for turning
 - Read left page before right page
 - Identify one or two letters within text, first and last letter, capital letters; and point to a specific letter when requested
 - Match upper and lower case letters

Word Analysis

- k. Use beginning letter sounds and pictures to identify words in order to cross check.
03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
- b. Identify the following story elements within a literary text:
 - Character
 - Setting
 - Simple sequence of events, including clear beginning, middle, and end
 - Problems and solutions

(Letter Fluency [timed] and sight word recognition are not included in Kindergarten Idaho Standards.)

672. Writing. Write to demonstrate skill and conventions according to purpose and audience.

01. The student will understand and use the writing process.
 - a. Demonstrate understanding and application of steps of the writing process:
 - Brainstorm
 - Draft
 - Teacher conference
 - Revise
 - Edit
 - Publish
 - Share
 - b. Write legibly.
02. The student will write and edit for correctness and clarity.
 - a. Apply rules and conventions for the following:
 - Grammar
 - Writing first name conventionally
 - Writing left to right
 - Spacing
 - Phonetically spelling with letter/sound correspondences
03. The student will write a narrative essay that aligns with the Direct Writing Assessment.
 - a. Write a narrative composition with a picture and at least one simple sentence that establishes and supports a central idea.

673. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

01. The student will listen for information and understanding.
 - c. Demonstrate effective and appropriate listening skills using the following:
 - Maintaining eye contact
 - Taking turns in conversations
 - Maintaining attention
04. The student will listen to and follow directions.
 - a. Follow oral directions.

674. Speaking. Use skills of speaking to effectively present information and present analysis of critiques of written or viewed material.

01. The student will speak to share understanding of information.

- a. Develop awareness of speaker behaviors such as posture, articulation, volume, and use of complete sentences and organization.
- 03. The student will speak for critical analysis and evaluation.
 - a., b. Express opinions and solutions to problems using courteous, attentive, and appropriate behavior during discussions.

675. Viewing. Use skills of viewing to effectively understand and comprehend visually-presented information and use visual elements to produce visual presentations.

- 01., 02. The student will view various media to gain information.

**Idaho
Power Standards for Mathematics
Kindergarten**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

257. Basic Arithmetic, Estimation, and Accurate Computations. An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.

(Vocabulary – how many, counting, next, estimate)

01. The student will understand and use numbers.
 - a. Demonstrate knowledge of our numeration system by counting in a variety of ways.
 - b. Demonstrate an understanding of the verbal, symbolic and physical representations of a number.
02. The student will perform computations accurately.
 - a. *Explore* the concepts of addition and subtraction using concrete objects. *Not to be assessed at this grade level.*

258. Mathematical Reasoning and Problem Solving. These processes are essential to all mathematics and must be incorporated in all other mathematics standards.

(Vocabulary – same as, equals, matches, less, more, number)

02. The student will use reasoning skills to recognize problems and express them mathematically.
 - a. Use concrete objects to identify and show a solution to problems.

259. Concepts and Principles of Measurement. The first step in scientific investigation is to understand the measurable attributes of objects.

(Vocabulary – days of the week, months of the year, calendar, shortest, longest, smallest, largest)

260. Concepts and Language of Algebra. Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.

01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
 - a. Compare sets of objects using vocabulary (less than, greater than, and same as).

261. Concepts and Principles of Geometry. The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.

(Vocabulary – shape, circle, triangle, square, rectangle, above, below, up, down, over, under, inside, outside, top, bottom, between, middle, before, after)

01. The student will apply concepts of size, shape, and spatial relationships.
 - a. Recognize, name, build, draw, compare, and sort two- and three-dimensional shapes.
 - d. Understand and apply appropriate vocabulary for position and size.

262. Data Analysis, Probability, and Statistics. With society’s expanding use of data for prediction and decision making, it is important that students develop an understanding of the concepts and process used in analyzing data.

(Vocabulary – graph, predict, tally, most, least, same, sort)

01. The student will understand data analysis.
 - a. Interpret information from real objects and simple pictographs.

263. Functions and Mathematical Models. One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.

(Vocabulary – pattern, sort)

01. The student will understand the concept of functions.
 - a. Replicate and extend patterns and identify the rule (function) that creates the pattern.
 - b. Sort and classify objects by attributes.

**Idaho
Power Standards for Science
Kindergarten**

528. Unifying Concepts of Science.

01. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Explore the concepts of observation and data collection.
02. The student will understand constancy, change, and measurement.
 - b. Measure in non-standard units.
03. The student will understand the theory that evolution is a process that relates to the gradual changes in the universe and of equilibrium as a physical state.
 - a. Understand the concepts of yesterday, today, and tomorrow.

529. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - a. Make observations.

530. Concepts of Physical Science.

01. The student will understand the structure and function of matter and molecules and their interactions.
 - a. Use senses to explore and describe matter.

532. Interdependence of Organisms and Biological Change.

01. The student will understand the theory of biological evolution.
 - a. Observe and explore the characteristics of plants and animals.

533. Matter, Energy, and Organization in Living Systems.

01. The student will understand the relationship between matter, energy, and organization to trace matter as it cycles and energy as it flows through living systems and between living systems and the environment.
 - a. Recognize the difference between living and non-living things.

534. Earth and Space Systems.

01. The student will understand scientific theories of origin and subsequent changes in the universe and earth systems.
 - a. Observe and identify the four seasons.

538. Interdisciplinary Concepts.

01. The student will understand that interpersonal relationships are important in scientific endeavors.
 - a. Learn appropriate cooperation and interaction skills.
02. The student will understand technical communication.
 - a. Understand and follow instructions.

**Idaho
Power Standards for Social Studies
Kindergarten**

372. History: Cultural and Social Development.

- 01. The student will understand the cultural and social development of the United States.
 - d. Recognize that people celebrate in many different ways.

373. Government/Civics: Foundations of the American Political System.

- 01. The student will understand the foundations and principals of the American political system.
 - b. Participate with groups to make decisions and solve problems.
 - c. Describe some rules and the reasons for them.

378. Geography.

- 01. The student will understand the spatial organizations of people, places, and environment on the earth's surface.
 - a. Identify the globe as a model of the earth.
 - e. Make and use a map of a familiar area.

**Idaho
Power Standards for Language Arts
Grade 1**

680. Reading. Read a variety of grade-level materials and apply strategies appropriate to various situations.

01. The student will read a variety of traditional and electronic materials for information and understanding.
- a. Use decoding and word recognition strategies to fluently read first-grade materials.

Phonics/Phonemic Awareness

- c. Distinguish syllables.
- e. Complete and produce rhyme.
- h. Identify isolated initial and final sounds.
- i. Blend phonemes.
- j. Segment words (deletion, addition, substitution, transposition).
- k. Consonants and consonant digraphs, short/long vowels.
- l. Use onset and rhyme.
- m. Use prefixes/suffixes, root words.
- n. Automatically read 150 high-frequency words.

Pre-Reading Strategies

- p. Draw on prior knowledge, discuss and generate questions.
- q. Predict text/preview text.

Reading Comprehension Strategies

- r. Identify main idea.
 - t. Make inferences and draw conclusions.
 - v. Use proper phrasing, use syntax and grammar.
 - w. Reread.
02. The student will read and respond to a variety of literature to compare and contrast the many dimensions of the human experience.
- a. Read and evaluate grade-level literature, fiction and non-fiction
 - Vocabulary
 - Genres
 - Plot
 - Setting
 - Characters
03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
- b. Sequentially retell story.
 - c. Demonstrate critical listening (answer “who”, “what”, “where”, and “when”).
 - d. Determine cause/effect (answer “why”, “how”, “what if”).

681. Writing. Write to demonstrate skill and conventions according to purpose and audience.

01. The student will understand and use the writing process.
 - a. Fluently write upper and lowercase letters, using appropriate space and letter formation and placement.
 - b. Develop story fluency; write words and sentences related to one topic.
 - c. Demonstrate a basic understanding and application of steps of the writing process:
 - Brainstorm
 - Draft
 - Teacher conference
 - Revise
 - Edit
 - Publish
 - Share
02. The student will write and edit for correctness and clarity.
 - c. Apply rules and conventions for the following:
 - Grammar
 - Punctuation
 - Capitalization
 - d. Demonstrate appropriate spelling:
 - Correctly spell words by writing sounds in sequence
 - Accurately spell high-frequency words

682. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

01. The student will listen for information and understanding.
 - a. Demonstrate effective and appropriate listening skills using the following:
 - Eye contact
 - Taking turns in conversations
 - Maintaining attention
04. The student will listen to and follow directions.
 - a. Follow three-step oral directions.

683. Speaking. Use of skills of speaking to effectively present information and present analysis of critiques of written or viewed material.

01. The student will speak to share understanding of information.
 - a. Clearly communicate to an audience for various purposes:
 - Speak in grammatically correct sentences with clarity and detail

- Use vocabulary appropriate for the age group

684. Viewing. Use skills of viewing to effectively understand and comprehend visually-presented information and use visual elements to produce visual presentations.

03. The student will view media to engage in critical analysis and evaluation.
 - b. With support, explain, compare, and contrast a variety of presentations.

**Idaho
Power Standards for Mathematics
Grade 1**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

267. Basic Arithmetic, Estimation, and Accurate Computations. An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.

(Vocabulary – sum, difference, skip count, is same, facts, ones, tens, add, subtract, equals, number sentence, plus)

01. The student will understand and use numbers.
 - a. Demonstrate knowledge of our numeration system by counting in a variety of ways.
 - b. Read, write, order and compare whole numbers to 100.
 - c. Demonstrate the knowledge of place value through 99.
 - d. Identify and state the value of pennies, nickels, and dimes.
02. The student will perform computations accurately.
 - a. Demonstrate proficiency of addition up to 10 and an understanding of subtraction from up to 9.

268. Mathematical Reasoning and Problem Solving. These processes are essential to all mathematics and must be incorporated in all other mathematics standards.

(Vocabulary – draw, write, show, tell)

01. The student will understand and use a variety of problem-solving skills.
 - a. Select strategies appropriate for solving a problem.
04. The student will communicate results using appropriate terminology and methods.
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to communicate mathematical information.

269. Concepts and Principles of Measurement: The first step in scientific investigation is to understand the measurable attributes of objects.

(Vocabulary – fewest, most, thermometer, temperature, greater than, less than, feet, inches, penny, nickel, dimes, quarter, cents, hours)

01. The student will understand and use U.S. customary and metric measurements.
 - a. *Explore* the use of standard and non-standard tools for measuring time, length, volume, weight, and temperature. *Not to be assessed at this grade level.*
 - c. Use a calendar to *explore* measurement of time. *Not to be assessed at this grade level.*

270. Concepts and Language of Algebra. Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.

01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
 - b. Write a number sentence given an addition or subtraction problem.
 - c. Compare numbers using vocabulary (less than, greater than, equal to, more, less, same, fewer, bigger, smaller).

271. Concepts and Principles of Geometry. The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.

(Vocabulary – cone, cube, cylinder)

01. The student will apply concepts of size, shape, and spatial relationships.
 - a. Recognize, name, build, draw, compare and sort two and three-dimensional shapes.

272. Data Analysis, Probability, and Statistics. With society’s expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and process used in analyzing data.

(Vocabulary – tally, predict)

01. The student will understand data analysis.
 - a. Interpret information found in simple graphs to answer questions.
02. The student will collect, organize, and display data.
 - a. Gather and display data in graphs to answer a question.
(Teacher-led group activity.)

273. Functions and Mathematical Models. One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.

01. The student will understand the concept of functions.
 - a. Extend patterns and identify the rule (function) that creates the pattern.

**Idaho
Power Standards for Science
Grade 1**

543. Unifying Concepts of Science.

01. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Explore the concepts of observation and data collection.
02. The student will understand constancy, change, and measurement.
 - b. Measure in both standard and non-standard units.
03. The student will understand the theory that evolution is a process that relates to the gradual changes in the universe and of equilibrium as a physical state.
 - a. Understand the concepts of past, present, and future.

544. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - b. Make observations.

545. Concepts of Physical Science.

01. The student will understand the structure and function of matter and molecules and their interactions.
 - a. Know that objects have combinations of properties.
02. The student will understand concepts of motion and forces.
 - a. Explore the position and motion of objects.

547. Interdependence of Organisms and Biological Change.

01. Understand the theory of biological evolution.
 - a. Observe and explore the life cycles of plants and animals and their basic needs.
 - b. Recognize that animals live in different habitats for which they are suited.

548. Matter, Energy, and Organization in Living Systems.

01. The student will understand the relationship between matter, energy, and organization to trace matter as it cycles and energy as it flows through living systems and between living systems and the environment.
 - a. Understand that living things need food to survive.

549. Earth and Space Systems.

01. The student will understand scientific theories of origin and subsequent changes in the universe and earth systems.
 - a. Identify the four seasons and their characteristics.

551. Personal and Social Perspectives.

01. The student will understand common environmental quality issues, both natural and human induced.
 - a. Identify the characteristics of the local environment.

553. Interdisciplinary Concepts.

01. The student will understand that interpersonal relationships are important in scientific endeavors.
 - a. Learn appropriate cooperation and interaction skills.
02. The student will understand technical communication.
 - a. Understand and follow instructions.

Idaho
Power Standards for Social Studies
Grade 1

382. Critical Thinking and Analytical Skills.

- 01. The student will acquire thinking and critical thinking skills.
 - a. Use the calendar to measure days, weeks, months and years.
 - e. Recognize that every person, group, and country has a story about its past and this is called its “history.”

386. History: Political, Social and Economic Response to Industrialization and Technological Innovation.

- 01. The student will understand the political, social and economic responses to industrialization and technological innovations that have occurred in the United States.
 - b. Compare differences in the ways American families live today to how they lived in the past.

388. History: Cultural and Social Development.

- 01. The student will understand the cultural and social development of the United States.
 - a. Recognize that each person belongs to many groups (family, school, friends, neighborhood, community and nation).

391. Government/Civics: Citizen Responsibilities and Rights.

- 01. The student will understand that all citizens of the United States have responsibilities and rights.
 - a. Explain why rules are necessary in homes, classrooms, recess, the lunchroom, and games.
 - b. Explain why people in authority must apply rules fairly.
 - e. Demonstrate good citizenship.

392. Economic Fundamentals.

- 01. The student will understand basic economic concepts.
 - b. Identify ways people meet their needs by sharing, trading, and using money to buy goods and services.

394. Geography.

- 01. The student will understand the spatial organizations of people, places, and environment on the earth’s surface.

- a. Explain what maps and globes represent and how they are used.
02. The student will understand that human actions modify the physical environment and how physical systems affect human activity and living conditions.
- a. Describe ways people adjust to their environment.

**Idaho
Power Standards for Language Arts
Grade 2**

689. Reading. Read a variety of grade-level materials and apply strategies appropriate to various situations.

01. The student will read a variety of traditional and electronic materials for information and understanding.
- a. Use decoding and word recognition strategies to fluently read second-grade materials.

Phonics/Phonemic Awareness

- b. Identify rhyming words.
- c. Distinguish syllables.
- d. Recognize and use the following to decode words:
- Beginning, medial and ending sounds
 - Consonant blends and digraphs
 - Short and long vowels
 - R-controlled vowels
 - Similarities among word structures such as word families, and syllabication rules
- e. Use knowledge of common prefixes, suffixes, and root words to determine meanings of unknown words within a passage.
- f. Automatically read a bank of 150-200 high-frequency words.

Context Clues

- i. Use context clues to choose correct meanings of identified words within a reading passage.
- k. Recognize words that signal transitions to determine sequence as well as contribute to text's meaning.
- l. Use the following punctuation cues: commas, periods, question marks, apostrophes, and quotation marks to guide meaning and fluency.

Word Analysis Skills

- m. Apply knowledge of compound words, contractions, homophones, antonyms, and synonyms to determine word meanings and phrases.
03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
- b. Identify the following story elements within a literary text:
- Characters and their traits and motivations which determine causes for actions
 - Setting

- Sequential events of a plot, including a clear beginning, middle, and end
 - Problems and solutions
- d. Determine cause and effect relationships by responding to “why”, “how”, and “what-if” questions to draw conclusions.
 - e. Draw logical conclusions based on information read.

690. Writing. Write to demonstrate skill and conventions according to purpose and audience.

01. The student will understand and use the writing process.
 - a. Demonstrate an understanding and application of the writing process:
 - Brainstorm
 - Draft
 - Teacher conference
 - Revise
 - Edit
 - Publish
 - Share
 - d. Identify and use appropriate style for audience and purpose of writing.
 - e. Develop a writing vocabulary and skills for using words.
02. The student will write and edit for correctness and clarity.
 - a. Apply rules and conventions for the following:
 - Grammar
 - Punctuation
 - Capitalization
 - Spelling
 - b. Develop a paragraph that incorporates a clear and focused main idea, supportive details, and examples that are appropriate to topic, audience, and purpose:
 - Use appropriate word choices
 - Sentence structure
 - Transitions
 - Organizational techniques
 - Write for personal and practical needs

691. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

01. The student will listen for information and understanding.
 - c. Use responsive listening skills, such as retelling and asking questions for elaboration and clarification.

03. The student will listen for critical analysis and evaluation.
 - a. Listen for answers to specific questions and for specific purposes in response to nonfiction.
04. The student will listen to and follow directions.
 - a. Follow four-step oral directions.

692. Speaking. Use skills of speaking to effectively present information and present analysis of critiques of written or viewed material.

01. The student will speak to share understanding of information.
 - b. Use oral communication for various purposes with a developing sense of audience that incorporates:
 - Appropriate volume
 - Variety of word choices
 - Appropriate grammar
 - Vocabulary
 - Physical gestures

693. Viewing. Use skills of viewing to effectively understand and comprehend visually-presented information and use visual elements to produce visual presentations.

01. The student will view for information and understanding.
 - b. Determine main concept and supporting details within non-print media.
03. The student will view media to engage in critical analysis and evaluation.
 - a. Differentiate between fact and opinion.

**Idaho
Power Standards for Mathematics
Grade 2**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

277. Basic Arithmetic, Estimation, and Accurate Computations. An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.

(Vocabulary – equation, digit, hundreds, thousands, numeral, even, odd, sum, difference, place value, plus, minus, addends)

- 01. The student will understand and use numbers.
 - a. Demonstrate knowledge of our numeration system by counting in a variety of ways.
 - b. Read, write, order and compare whole numbers to 1,000.
 - c. Demonstrate the knowledge of place value through 999.
 - d. Determine, by counting, the value of a collection of pennies, nickels, dimes, and quarters up to \$1.00.
- 02. The student will perform computations accurately.
 - a. Demonstrate proficiency with addition and subtraction facts through 18.
 - b. Add whole numbers with and without regrouping through 99.

278. Mathematical Reasoning and Problem Solving. These processes are essential to all mathematics and must be incorporated in all other mathematics standards.

- 01. The student will understand and use a variety of problem-solving skills.
 - a. Select strategies appropriate to solve a problem.
- 02. The student will use reasoning skills to recognize problems and express them mathematically.
 - a. Generate a number sentence from a problem-solving situation.
- 04. The student will communicate results using appropriate terminology and methods.
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to communicate mathematical information.

279. Concepts and Principles of Measurement. The first step in scientific investigation is to understand the measurable attributes of objects.

(Vocabulary – centimeter, meter, inches, feet, yard, weigh, pounds, minutes, hours, temperature degrees)

01. The student will understand and use U.S. customary and metric measurements.
 - a. *Explore* the use of standard and non-standard tools for measuring time, length, volume, weight and temperature. *Not to be assessed at this grade level.*
 - c. Tell time using both digital and analog clocks to the quarter hour.

280. Concepts and Language of Algebra. Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.

(Vocabulary – more than, less than, how many more, greater than, fewer, equal, fact families)

01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
 - b. Write a number sentence given an addition or subtraction problem.
 - d. Understand the relationship between addition and subtraction and demonstrate reversal of operations.

281. Concepts and Principles of Geometry. The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.

(Vocabulary – symmetry, side, sphere, edge, face)

01. The student will apply concepts of size, shape, and spatial relationships.
 - a. Recognize, name, build, draw, compare, and sort two- and three-dimensional shapes.
 - b. Recognize and create shapes that have symmetry.

282. Data Analysis, Probability, and Statistics. With society's expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and process used in analyzing data.

(Vocabulary – row, column)

01. The student will understand data analysis.
 - a. Interpret information found in simple tables, charts, and graphs.
02. The student will collect, organize, and display data.

- a. Gather and display data in tables, charts and graphs in order to answer a question. *Teacher-led group activity.*
- 03. The student will understand basic concepts of probability.
 - a. Predict, perform, and record results of simple probability experiments.

283. Functions and Mathematical Models. One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.

- 01. The student will understand the concept of functions.
 - a. Extend patterns and identify the rule (function) that creates the pattern.

**Idaho
Power Standards for Science
Grade 2**

558. Unifying Concepts of Science.

01. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Explore the concepts of observation and data collection.
02. The student will understand constancy, change, and measurement.
 - b. Measure in standard and non-standard systems.
03. The student will understand the theory that evolution is a process that relates to the gradual changes in the universe and of equilibrium as a physical state.
 - a. Understand the concepts of past, present, and future.
04. The student will understand concepts of form and function.
 - a. Identify shape and use of objects.

559. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - a. Brainstorm questions that can be investigated.
 - b. Make observations.
 - d. Explore information and evidence.
 - f. *Communicate observations.*

560. Concepts of Physical Science.

01. The student will understand the structure and functions of matter and molecules and their interactions.
 - a. Know that objects have combinations of properties.
02. The student will understand concepts of motion and forces.
 - a. Explore the position and motion of objects.

563. Matter, Energy, and Organization in Living Systems.

01. The student will understand the relationship between matter, energy, and organization to trace matter as it cycles and energy as it flows through living systems and between living systems and the environment.
 - a. Understand that living things need food to survive.

564. Earth and Space Systems.

01. The student will understand scientific theories of origin and subsequent changes in the universe and earth systems.

- b. Understand the characteristics of different weather conditions.

565. Technology.

- 01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - b. Recognize that people have invented tools for everyday life and for scientific investigations.

566. Personal and Social Perspectives.

- 01. The student will understand common environmental quality issues, both natural and human induced.
 - a. Identify the characteristics of the local environment.

568. Interdisciplinary Concepts.

- 01. The student will understand that interpersonal relationships are important in scientific endeavors.
 - a. Learn appropriate cooperation and interaction skills.
- 02. The student will understand technical communication.
 - a. Understand and follow instructions.

Idaho
Power Standards for Social Studies
Grade 2

398. Critical Thinking and Analytical Skills.

- 01 The student will acquire critical thinking and analytical skills.
 - a. Use the calendar to measure days, weeks, months, and years.
 - d. Obtain information from a variety of sources.

404. History: Cultural and Social Development.

- 01. The student will understand the cultural and social development of the United States.
 - a. Identify different groups that a person belongs to, such as family, neighborhood, community, church, and teams.
 - c. Explain important customs, symbols, and celebrations that represent the development of American beliefs and principles.

405. Government/Civics: Foundations of the American Political System.

- 01. The student will understand the foundations and principals of the American political system.
 - d. Identify symbols of the United States, such as the American flag.

406. Government/Civics: Organization and Formation of the American System of Government.

- 1. The student will understand the organization and formation of the American system of government.
 - b. Know that leaders may be elected or appointed.

407. Government/Civics: Citizen Responsibilities and Rights.

- 01. The student will understand that all citizens of the United States have responsibilities and rights.
 - d. Identify characteristics of good citizens and name historic and current people who exemplify these.

408. Economic Fundamentals.

- 01. The student will understand basic economic concepts.
 - b. Define income and identify different ways to earn and save.
 - d. Distinguish between producers and consumers.

409. Economic Influences.

01. The student will understand there are many influences on economic systems.
 - b. Explain how natural resources affect economic activities in the local community.

410. Geography.

01. The student will understand the spatial organizations of people, places, and environment on the earth's surface.
 - a. Identify landforms, bodies of water, and human-made features (cities, dams) on a map and globe.
 - c. Know that map symbols (key/legend, scale) represent a real object or place.
03. The student will understand that human actions modify the physical environment and how physical systems affect human activity and living conditions.
 - b. Know that humans depend on the environment to meet their basic needs.

Grade 3 through Grade 5

**Idaho
Power Standards for Language Arts
Grade 3**

698. Reading. Read a variety of grade-level materials and apply strategies appropriate to various situations.

01. The student will read a variety of traditional and electronic materials for information and understanding.
- a. Use decoding strategies to fluently read third-grade materials.

Phonics

- b. Employ multiple strategies to identify words using spelling patterns and syllabication.
- d. Use knowledge of common prefixes, suffixes and root words to determine meanings of unknown words within a passage.

Context Clues

- e. Use context clue to determine correct meanings of identified words within a reading passage.

Word Analysis Skills

- h., i. Apply knowledge to determine meanings of words and phrases:
- Contractions
 - Synonyms
 - Antonyms
 - Homonyms
 - Multiple meanings
 - Root words

Syntax Cues

- k. Before, during and after reading, locate information to clarify text structure and content.
- o. Identify language and literary devices:
- Mood
 - Tone
 - Style
 - Figurative language
 - Format
- p. Determine main idea within a text and identify relevant details and facts.
02. The student will read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
- c. Compare and contrast information about same topic after reading two or more passages or articles.

- e. Identify cause and effect and statements of fact and opinion.
- 03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
 - a. Identify author's purpose.
 - b. Identify the following story elements within a literary text:
 - Characters and their traits and motivations that determine causes for actions
 - Setting
 - Sequencing of main events
 - Problems and solutions
- 04. The student will read to locate information from a variety of traditional, technical, and electronic sources.
 - b. Generate questions about important and interesting issues.
 - c. Based on an investigation, organize and interpret information to draw a logical conclusion.
- 05. The student will read for technical information.
 - a. Identify and use traditional sources to locate and acquire information:
 - Reference books
 - Library materials
 - Experts
 - b. Identify uses of:
 - Graphics
 - Graphs
 - Tables
 - Diagrams
 - Parentheses
 - Italics
 - Bold print

699. Writing. Write to demonstrate skill and conventions according to purpose and audience.

- 01. The student will understand and use the writing process.
 - a. Demonstrate an understanding and application of the writing process:
 - Brainstorm
 - Draft
 - Teacher conference
 - Revise
 - Edit
 - Publish
 - Share

- b. Legibly write in a variety of formats to record, generate, and reflect upon ideas.
- 02. The student will write and edit for correctness and clarity.
 - a. Apply rules and conventions for the following:
 - Grammar
 - Punctuation
 - Capitalization
 - Spelling
 - b. Develop a paragraph that incorporates a clear and focused main idea that is supported by details and examples that are appropriate to the topic, audience, and purpose:
 - Topic sentence
- 03. The student will write a narrative essay that aligns with the Direct Writing Assessment.
 - a. Create a multiple-paragraph narrative composition that provides:
 - Introductory paragraph
 - Supporting paragraphs
 - Facts
 - Details
 - Concluding paragraph
 - b. Write and publish original creative works that incorporate figurative and descriptive language.

700. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

- 01. The student will listen for information and understanding.
 - a. Listen and respond to a variety of electronic and live presentations.
 - b. Listen to gain enrichment and information.

701. Speaking. Use skills of speaking to effectively present information and present analysis or critiques of written or viewed material.

- 02. The student will speak for literary response and expression.
 - a. Use oral interpretation, memorization, presentation, and dramatic readings to share personal and/or literary works.
- 03. The student will speak for critical analysis and evaluation.
 - a. Express opinions and solve problems.
 - b. Use cause/effect and similarities/differences to demonstrate a key point.
 - c. Encourage others' participation while exhibiting courteous, attentive, and appropriate behavior during discussions:
 - Listen well and verify understanding
 - Avoid monopolizing conversations
 - Raise pertinent questions

- Exhibit cultural sensitivity

702. Viewing. Use skills of viewing to effectively understand and comprehend visually-presented information and use visual elements to produce visual presentations.

01. The student will view for information and understanding.
 - b. Determine main concept and supporting details within non-print media.
03. The student will view media to engage in critical analysis and evaluation.
 - a. Interpret data from charts, graphs, and maps.
 - b. Differentiate between fact and opinion.

**Idaho
Power Standards for Mathematics
Grade 3**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

287. Basic Arithmetic, Estimation, and Accurate Computations. An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.

01. The student will understand and use numbers.
 - a. Read, write, order and compare whole numbers to 10,000.
 - b. Demonstrate knowledge of place value through 9,999.
 - c. Determine, by counting, the value of a collection of bills and coins up to \$10.00.
 - d. Use concrete materials to recognize and represent commonly used fractions.
02. The student will perform computations accurately.
 - a. Add and subtract whole numbers with and without regrouping through 999.
 - b. Instantly recall basic addition and subtraction facts through 18.
 - c. Add three addends with 1 and 2 digits.
 - d. Multiply whole numbers through 10×10 .
 - e. *Explore* the relationship between multiplication and division. *Not to be assessed at this grade level.*
03. The student will estimate and judge reasonableness of results.
 - a. Use estimation to predict computation results.

288. Mathematical Reasoning and Problem Solving. These processes are essential to all mathematics and must be incorporated in all other mathematics standards.

01. The student will understand and use a variety of problem-solving skills.
 - a. Select strategies appropriate for solving a problem.
02. The student will use reasoning skills to recognize problems and express them mathematically.
 - a. Use a variety of methods to explain mathematical reasoning and concepts:
 - Words
 - Numbers
 - Symbols
 - Charts
 - Graphs

- Tables
- Diagrams
- Models

289. Concepts and Principles of Measurement. The first step in scientific investigation is to understand the measurable attributes of objects.

01. The student will understand and use U.S. customary and metric measurements.
- a. Select and use appropriate units and tools to make formal measurement in both systems (time, length, temperature, perimeter).
 - b. Apply estimation of measurement to real-world and content problems using actual measuring devices.
 - e. Tell time using digital and analog clocks using 5-minute intervals.
 - f. *Explore* the relationship among units of time. *Not to be assessed at this grade level.*

290. Concepts and Language of Algebra. Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.

01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
- a. Represent vertical notation in horizontal form.
 - c. Use symbols (<, >, =) to express relationships with whole numbers.
02. The student will evaluate algebraic expressions.
- a. *Explore* and use the commutative property of addition and multiplication. *Not to be assessed at this grade level.*

291. Concepts and Principles of Geometry. The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.

01. The student will apply concepts of size, shape, and spatial relationships.
- a. Identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes.
 - b. *Explore* congruence, similarity and symmetry. *Not to be assessed at this grade level.*

292. Data Analysis, Probability, and Statistics. With society's expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and process used in analyzing

data.

01. The student will understand data analysis.
 - a. Interpret information found in tables, charts and graphs.
02. The student will collect, organize, and display data.
 - a. Collect, organize, and display data in tables, charts, or graphs in order to answer a question and/or test a hypothesis.
03. The student will understand basic concepts of probability.
 - a. Predict, perform, and record results of simple probability experiments.

293. Functions and Mathematical Models. One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.

01. The student will understand the concept of functions
 - a. Extend patterns and identify the rule (function) that creates the pattern.

**Idaho
Power Standards for Science
Grade 3**

573. Unifying Concepts of Science.

01. The student will understand systems, order, and organization.
 - a. Recognize that a system is an organized group of related objects that form a whole.
02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Develop skills in observation and data collection.
 - c. Develop and/or use models to explain how things work.
03. The student will understand constancy, change, and measurement.
 - b. Understand that changes occur and can be measured.
 - c. Measure in both the standard and metric systems.
05. The student will understand concepts of form and function.
 - a. Discover the relationship between shape and use.

574. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - a. Identify questions that can be answered by conducting scientific tests.
 - b. Conduct scientific tests.
 - c. Use appropriate tools and techniques to gather and display data.
 - d. Use data to construct a reasonable explanation.
 - e. Make simple predictions based on data.
 - f. Explore alternative explanations.
 - g. Communicate the results of tests to others.

575. Concepts of Physical Science.

01. The student will understand the structure and function of matter and molecules and their interactions.
 - b. Explore the properties of solids, liquids, and gases.

580. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - a. Know that technology is the means by which people use knowledge, tools, and systems to make their lives easier and better.

- b. Recognize that people have invented tools for everyday life and for scientific investigations.

581. Personal and Social Perspectives.

- 01. The student will understand common environmental quality issues, both natural and human induced.
 - a. Identify issues in the local environment.
- 03. The student will understand the importance of natural resources and the need to manage and conserve them.
 - a. Understand the concept of recycling.

583. Interdisciplinary Concepts.

- 02. The student will understand technical communication.
 - a. Read and understand instructions.

Idaho
Power Standards for Social Studies
Grade 3

414. Critical Thinking and Analytical Skills.

01. The student will acquire critical thinking skills.
 - a. Use days, weeks, months, and years to measure time.
 - c. Identify decades and centuries as a measure of time.
 - g. Identify factual statements in sources of news using the five w's: who, what, where, when and why.

415. Government/Civics: Evolution of Democracy.

01. The student will understand the evolution of democracy.
 - b. Recognize the concepts of
 - Popular consent
 - Respect for the individual
 - Equality of opportunity
 - Personal liberty

417. History: Migration and Immigration.

01. The student will understand the role of migration and immigration of people in the development of the United States.
 - b. Recognize that migration and immigration are continuous processes

420. History: Cultural and Social Development.

01. The student will understand the cultural and social development of the United States.
 - a. Explain that all people of the United States share a common heritage through patriotic holidays, national documents and symbols.
 - c. Compare different cultural groups in the community, including their distinctive foods, clothing styles, and traditions.

421. Government/Civics: Foundations of the American Political System.

01. The student will understand the foundations and principles of the American political system.
 - b. Identify some of the freedoms guaranteed to American citizens in the Constitutions and the Bill of Rights.
 - c. Identify many of the responsibilities and rights of American citizens.

422. Government/Civics: Organization and Formation of the American System of Government.

01. The student will understand the organization and formation of the American system of government.

- a. Identify and explain the basic functions of local government.
- b. Identify the three branches of government.

423. Government/Civics: Citizen Responsibilities and Rights.

- 01. The student will understand that all citizens of the United States have responsibilities and rights.
 - c. Identify reasons why communities have laws.
 - d. Describe ways in which children can participate in public life in their community.

424. Economic Fundamentals.

- 01. The student will understand basic economic concepts.
 - b. Explain the concepts of supply and demand and the role of the consumer and producer.

425. Economic Influences.

- 01. The student will understand that there are many influences on economic systems.
 - b. Explain how land, natural resources, labor, trade, and technology affect economic activities in the local community.

426. Geography.

- 01. The student will understand the spatial organizations of people, places, and environment on the earth's surface.
 - a. Describe the concepts of globe, continent, country, state, county, city/town, and neighborhood.
 - c. Locate on a map waterways, landforms, cities, states, and national boundaries using standard map symbols.
 - d. Use a map title, map key, scale, cardinal directions, and symbols to interpret a map.
 - e. Use a number/letter grid to find specific locations on a map.
- 02. The student will understand the migration and settlement of human populations on the earth's surface.
 - a. Identify past and present settlement patterns of the community.

**Idaho
Power Standards for Language Arts
Grade 4**

707. Reading. Read a variety of grade-level materials and apply strategies appropriate to various situations.

Phonics

01. The student will read a variety of traditional and electronic materials for information and understanding.

- c. Use spelling patterns, syllabication, and other strategies to identify words.

Word Analysis

d., e. Apply knowledge to determine meanings of words and phrases:

- Derivations
- Synonyms
- Antonyms
- Homonyms
- Multiple meanings
- Idioms

Context Clues

- f. Use context clues to determine correct meanings of identified words within a reading passage.

Sentence Structure

- k. Before, during, and after reading, locate information to clarify/analyze expository or narrative text structure and content.
 - n. Paraphrase and summarize text.
 - o. Draw Inferences and conclusions from text.
 - p. Identify language and literary devices:
 - Mood
 - Tone
 - Style
 - Figurative language
 - Format
 - Structure
 - q. Determine main idea or essential message within a text and identify relevant details and facts.
02. The student will read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
- a. Identify defining characteristics of the following literary forms and genres:
 - Fiction/non-fiction
 - Fairy tales

- Fables
 - Myths
 - Poems
 - Plays
- c. Compare and contrast information about same topic after reading two or more passages or articles.
- e. Distinguish between cause and effect and fact and opinion within expository text.
03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
- a. Identify author's purpose.
- b. Identify the following story elements within a literary text:
- Characters and their traits and motivations to determine causes for actions
 - Setting
 - Main events of plot
 - Point of view
 - Problems and solutions
05. The student will read for technical information.
- a. Identify and use traditional sources to locate and acquire information:
- Reference books
 - Library materials
 - Experts
 - Electronically stored sources
- b. Identify uses of:
- Graphics
 - Graphs
 - Tables
 - Diagrams
 - Parentheses
 - Italics
 - Bold print
- c. Identify format of various technical and reference texts.

708. Writing. Students write to demonstrate skill and conventions according to purpose and audience.

01. The student will understand and use the writing process.
- a. Demonstrate an understanding and application of writing process:
- Brainstorm
 - Draft
 - Revise
 - Edit
 - Publish

02. The student will write and edit for correctness and clarity.
 - a. Apply rules and conventions for the following:
 - Grammar
 - Punctuation
 - Capitalization
 - Spelling
 - Legibility
 - b. Develop a paragraph that incorporates a clear and focused main idea and is supported by details and examples that are appropriate to topic, audience, and purpose.
03. The student will write a narrative essay.
 - a. Create multiple-paragraph narrative and expository compositions that provide:
 - Introductory paragraph establishing and supporting a central idea
 - Supporting paragraphs with thoughtful transitions
 - Simple facts
 - Details
 - Explanations
 - Concluding paragraph summarizing key points
 - Proper indentation
 - b. Write and publish original creative works that incorporate figurative and descriptive language.

709. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

01. The student will listen for information and understanding.
 - c. Use responsive listening skills such as paraphrasing, summarizing, and asking questions for elaboration and clarification.
03. The student will listen for critical analysis and evaluation.

710. Speaking. Use skills of speaking to effectively present information and present analysis or critiques of written or viewed material.

01. The student will speak to share understanding of information.
 - a. Use oral communication for various purposes and audiences that incorporate:
 - Variety of word choices
 - Inflection
 - Volume
 - Phrasing
 - Physical gestures
 - Eye contact

- b. Plan and deliver an oral presentation that incorporates:
 - Appropriate grammar and vocabulary
- 03. The student will speak for critical analysis and evaluation.
 - a. Express opinions and solutions to problems.
 - b. Use cause/effect and similarities/differences to demonstrate a key point.
 - c. Encourage others' participation while exhibiting courteous, attentive, and appropriate behavior during discussions:
 - Avoid monopolizing conversations
 - Ask pertinent questions
 - Exhibit sensitivity

711. Viewing. Use skills of viewing to effectively understand and comprehend visually-presented information and use visual elements to produce visual presentations.

- 01. The student will view for information and understanding.
 - b. Determine main concept and supporting details within non-print media.
- 03. The student will view media to engage in critical analysis and evaluation.
 - a. Interpret literal and figurative meanings of communication.
 - b. Differentiate between fact and opinion.

**Idaho
Power Standards for Mathematics
Grade 4**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

297. Basic Arithmetic, Estimation, and Accurate Computations. An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.

01. The student will understand and use numbers.
 - a. Read, write, order, and compare whole numbers to 1,000,000, commonly used fractions, and decimals through hundredths.
 - b. Demonstrate and apply the knowledge of whole numbers, decimal place value, and patterns of periods (hundredths to millions).
 - d. Use concrete materials to recognize, represent, and compare commonly used fractions.
02. The student will perform computations accurately.
 - b. Multiply and divide whole numbers (*Note: up to 2-digit by 2-digit multiplication, 1-digit divisors*).
 - c. Add and subtract fractions with like denominators (without requiring simplification).
 - d. Add and subtract decimals using money.
 - e. Instantly recall multiplication facts through 10.
03. The student will estimate and judge reasonableness of results.
 - a., b. Use estimation to predict computation results and to evaluate the reasonableness of the answer.

298. Mathematical Reasoning and Problem Solving. These processes are essential to all mathematics and must be incorporated in all other mathematics standards.

01. The student will understand and use a variety of problem-solving skills.
 - a. Select strategies appropriate for solving a problem.
 - b. Select and use appropriate operations.
02. The student will use reasoning skills to recognize problems and express them mathematically.
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models, to explain mathematical reasoning and concepts.

299. Concepts and Principles of Measurement. The first step in scientific investigation is to understand the measurable attributes of objects.

01. The student will understand and use U.S. customary and metric measurements.
 - a. Select and use appropriate units and tools to make formal measurements in both systems (time, length, temperature, perimeter, area).
 - b. Apply estimation of measurement to real-world and content problems using actual measuring devices.
 - c., d. Apply understanding of relationships within the U. S. customary system and within the metric system.
 - e. Tell time using digital and analog clocks to the nearest minute.
 - f. Apply understanding of relationships to solve real-world problems related to time.

300. Concepts and Language of Algebra. Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.

01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
 - a. Represent vertical notation in horizontal form.
 - b. Write a number sentence using symbols (boxes or letters) to represent an unknown number.
 - c. Read and use symbols ($<$, $>$, $=$) to express relationships.
02. The student will evaluate algebraic expressions.
 - a. Explore and use the commutative properties of addition and multiplication. *Not to be assessed at this grade level.*
03. The student will solve algebraic equations and inequalities.
 - a. Solve missing addends, and missing factor problems using inverse operations.

301. Concepts and Principles of Geometry. The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.

01. The student will apply concepts of size, shape, and spatial relationships.
 - a. Identify, compare, and analyze attributes of two- and three-dimensional shapes and develop vocabulary to describe the attributes.
 - b. *Explore* relationships among and properties of shapes (congruence, similarity, symmetry). *Not to be assessed at this grade level.*

- c. Use concrete objects to determine perimeters of triangles, and areas and perimeters of rectangles/squares.
- d. Predict and describe the results of sliding, flipping, and turning two-dimensional shapes.

302. Data Analysis, Probability, and Statistics. With society's expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and process used in analyzing data.

- 01. The student will understand data analysis.
 - b. Explain and justify conclusions drawn from tables, charts and graphs.
- 02. The student will collect, organize, and display data.
 - a. Collect, order and display data in appropriate notation in tables, charts, and graphs; for example bar graphs, tally charts and pictographs, in order to answer a question and/or test a hypothesis.
- 03. The student will apply simple statistical measurements.
 - a. Determine an average (mean) of a set of whole numbers.
- 05. The student will make predictions or decisions based on data.
 - a. Make predictions based on simple experimental probabilities.

303. Functions and Mathematical Models. One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.

- 01. The student will understand the concept of functions
 - a. Extend patterns and identify the rule (function) that creates the pattern.

**Idaho
Power Standards for Science
Grade 4**

588. Unifying Concepts of Science.

01. The student will understand systems, order, and organization.
 - a. Recognize that a system is an organized group of related objects that form a whole.
02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Develop skills in observation and data collection.
 - b. Recognize the difference between observations and inferences.
 - c. Develop and/or use models to explain how things work.
03. The student will understand constancy, change, and measurement.
 - b. Understand that changes occur and can be measured.
 - c. Measure using standard and metric systems.
05. The student will understand concepts of form and function.
 - a. Discover the relationship between shape and use.

589. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - a. Identify questions that can be answered by conducting scientific tests.
 - b. Conduct scientific tests.
 - c. Use appropriate tools and techniques to gather and display data.
 - d. Use data to construct a reasonable explanation.
 - e. Make simple predictions based on data.
 - f. Explore alternative explanations.
 - g. Communicate the results of tests to others.

590. Concepts of Physical Science.

01. The student will understand the structure and function of matter and molecules and their interactions.
 - b. Explore the properties of solids, liquids, and gases.

595. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - b. Recognize that people have invented tools for everyday life and for scientific investigations.

Idaho
Power Standards for Social Studies
Grade 4

430. Critical Thinking and Analytical Skills.

- 01. The student will acquire critical thinking and analytical skills.
 - a. Chronologically organize the events that led to Idaho becoming a state.
 - b. Identify current events involving the state of Idaho.
 - d. Differentiate between fact and opinion, cause and effect, and identify different points of view.

431. Government/Civics: Evolution of Democracy.

- 01. The student will understand the evolution of democracy.
 - a. Evaluate and interpret the concepts of popular consent, respect for the individual, equality of opportunity, and personal liberty.

433. History: Migration and Immigration.

- 01. The student will understand the role of migration and immigration of people in the development of the United States.
 - c. Identify major groups and significant individuals and their motives in the western expansion and settlement in Idaho.

435. History: International Relations and Conflicts.

- 01. The student will understand significant conflicts in United States history.
 - a. Explain how the westward migration impacted Native Americans.

436. History: Cultural and Social Development.

- 01. The student will understand the cultural and social development of the United States.
 - b. Describe ways that cultural groups learn from each other.

437. Government/Civics: Foundations of the American Political System.

- 01. The student will understand the foundations and principles of the American political system.
 - b. Explain the democratic process in Idaho.

438. Government/Civics: Organization and Formation of the American System of Government.

01. The student will understand the organization and formation of the American system of government.
 - c. Recognize that a state is divided into local units of government.
 - d. Identify the basic function of the legislative and executive branches of state government.

439. Government/Civics: Citizen Responsibilities and Rights.

01. The student will understand that all citizens of the United States have responsibilities and rights.
 - a. Describe ways in which citizens can participate in public life.
 - b. Identify some of the basic responsibilities and rights of a citizen.

440. Economic Fundamentals.

01. The student will understand basic economic concepts.
 - b. Explain the concepts of supply and demand and scarcity.

441. Economic Influences.

01. The student will understand there are many influences on economic systems.
 - b. Describe how geographic features of Idaho have determined the economic base of Idaho's regions.

442. Geography.

01. The student will understand the spatial organizations of people, places, and environment on the earth's surface.
 - a. Use geographic skills to collect, analyze, interpret, and communicate data.
02. The student will understand the migration and settlement of human populations on the earth's surface.
 - a. Explain past and present settlement patterns in Idaho.

**Idaho
Power Standards for Language Arts
Grade 5**

716. Reading. Read a variety of grade-level materials and apply strategies appropriate to various situations.

01. The student will read a variety of traditional and electronic materials for information and understanding.

Word Analysis

- d. Apply knowledge of root words, derivations, affixes, synonyms, antonyms, multiple meanings, and idioms to determine meaning of words and phrases.

Context Clues

- e. Use context clues to determine correct meanings of identified words within a reading passage.

Sentence Structure

- i. Before, during and after reading, locate information to clarify text structure and content, predict and forecast.
- j. Understand vocabulary.
- k. Locate, gather, and synthesize information.
- l. Paraphrase and summarize.
- m. Draw inferences and conclusions.
- n. Identify language and literary devices:
- Mood
 - Tone
 - Style
 - Figurative language
- o. Determine main idea.
02. The student will read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
- a. Identify defining characteristics of the following literary forms and genres:
- Fiction
 - Non-fiction
 - Fantasy
 - Legend
 - Historical fiction
- c. Compare and contrast information about same topic.
03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.

- b. Explain literary text according to the following elements:
 - Characters
 - Setting
 - Point of view
 - Plot
 - Theme
 - Conflict and resolution
- e. Distinguish between statements of fact and opinion.
- 04. The student will read to locate information from a variety of traditional, technical, and electronic sources.
 - b. Generate questions about important and interesting issues to narrow topic(s) for research.
 - d. Combine acquired information for presentation.
- 05. The student will read for technical information.
 - a. Identify and use traditional and electronically-stored sources to locate and acquire information:
 - Reference books
 - Library materials
 - Experts
 - Computer generated resources
 - b. Explain uses of graphs, charts, tables and diagrams.

717. Writing. Write to demonstrate skill and conventions according to purpose and audience.

- 01. The student will understand and use the writing process.
 - a. Understand and apply steps of the writing process.
- 02. The student will write and edit for correctness and clarity.
 - a. Apply rules and conventions for the following:
 - Grammar
 - Punctuation
 - Capitalization
 - Spelling
 - Indentation
 - Legibility
 - c. Develop a paragraph.
- 03. The student will write a narrative essay that aligns with the Direct Writing Assessment.
 - a. Create a multiple paragraph narrative composition that includes the following:
 - Introductory paragraph
 - Supporting paragraph with transitions
 - Concluding paragraph that summarizes key ideas
 - b. Write and publish original and creative works that incorporate figurative and descriptive language.

718. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

01. The student will listen for information and understanding.
 - a. Use responsive listening skills such as paraphrasing, summarizing, asking questions for elaboration and clarification and following directions.
03. The student will listen for critical analysis and evaluation.

719. Speaking. Use skills of speaking to effectively present information and present analyses or critiques of written or viewed material.

01. The student will speak to share understanding of information.
 - a. Use oral communication for various purposes and audiences that incorporate:
 - Variety of word choices
 - Inflection
 - Presence
 - Eye contact
 - b. Plan and deliver oral presentations to large and small groups that incorporate the following:
 - Appropriate grammar
 - Vocabulary
 - Illustrations and charts
03. The student will speak for critical analysis and evaluation.
 - a. Express opinions and solutions to problems.
 - b. Use cause/effect to demonstrate a key point.
 - c. Encourage others' participation while exhibiting courteous, attentive, and appropriate behavior during discussions:
 - Listen carefully and verify understanding
 - Avoid monopolizing conversations
 - Raise pertinent questions
 - Exhibit sensitivity

720. Viewing. Use skills of viewing to understand and comprehend visually-presented information and use visual elements to produce visual presentations.

01. The student will view for information and understanding.
 - b. Determine main idea.
03. The student will view media to engage in critical analysis and evaluation.
 - c. Interpret literal and figurative meanings of communication.
 - d. Differentiate between facts and opinions.
04. The student will use a variety of resources to produce visuals that communicate through print and non-print media.

e. Create visual aids

**Idaho
Power Standards for Mathematics
Grade 5**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

307. Basic Arithmetic, Estimation, and Accurate Computations. An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.

01. The student will understand and use numbers.
 - a. Read, write, order and compare whole numbers through billions, commonly used fractions and decimals through thousandths.
 - c. *Explore* the relationship between equivalent fractions. *Not to be assessed at this grade level.*
 - d. *Explore* the relationship between decimals and simple fractions through thousandths. *Not to be assessed at this grade level.*
 - f. *Explore* and apply number theory concepts (prime, composites, multiples, and factors). *Not to be assessed at this grade level.*
02. The student will perform computations accurately.
 - a. Multiply and divide whole numbers.
 - b. Add and subtract fractions with like denominators (do not require simplification).
 - c. Add and subtract decimals through thousandths.
 - d. Instantly recall basic multiplication and division facts up to 10's.
 - f. Select and use an appropriate method of computation from mental math, paper and pencil, calculator or combination of the three.
03. The student will estimate and judge reasonableness of results.
 - a. Use estimation to predict computation results.

308. Mathematical Reasoning and Problem Solving. These processes are essential to all mathematics and must be incorporated in all other mathematics standards.

01. The student will understand and use a variety of problem-solving skills.
 - a. Use a variety of strategies to compute problems drawn from real-world situations.
02. The student will use reasoning skills to recognize problems and express them mathematically.
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models to explain mathematical reasoning and concepts.

04. The student will communicate results using appropriate terminology and methods.
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models to communicate mathematical information.

309. Concepts and Principles of Measurement. The first step in scientific investigation is understanding the measurable attributes of objects.

01. The student will understand and use U.S. customary and metric measurements.
 - a. Select and use appropriate units and tools to make formal measurement in both systems.
 - c. *Explore* the differences and relationships between perimeter and area in both systems. *Not to be assessed at this grade level.*
 - d, f. Solve problems involving length, perimeter, area, weight, mass, temperature, and time.
 - e. Convert unit of measurement within each system.

310. Concepts and Language of Algebra. Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.

01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
 - a. *Explore* the meaning and use of variables in simple expressions and equations. *Not to be assessed at this grade level.*
 - c. Read and use symbols (<, >, =) to express relationships.
02. The student will evaluate algebraic expressions.
 - a. *Explore* and use the following properties as they relate to addition and multiplication: commutative, associative, identity, zero, and inverse. *Not to be assessed at this grade level.*
 - b. *Investigate* the order of operations (parentheses only). *Not to be assessed at this grade level.*
03. The student will solve algebraic equations and inequalities.
 - a. Solve missing addends, and missing factor problems using inverse operations.

311. Concepts and Principles of Geometry. The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.

01. The student will apply concepts of size, shape, and spatial relationships.
 - a. Identify, compare and analyze attributes of two-dimensional shapes and develop vocabulary to describe the attributes.

- b. *Explore* the fundamental concepts, properties and relationships among points, lines, rays, angles, and shapes. *Not to be assessed at this grade level.*
 - d. Determine perimeters of polygons and area of rectangles/squares in real-world situations.
02. The student will apply graphing in two dimensions.
- a. Identify and plot points on a coordinate plane in Quadrant I.

312. Data Analysis, Probability, and Statistics. With society’s expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and process used in analyzing data.

- 01. The student will understand data analysis.
 - b. Explain and justify conclusions drawn from tables, charts and graphs.
- 02. The student will collect, organize, and display data.
 - a. Collect, organize, and display the data with appropriate notation in tables, charts, and graphs
- 03. The student will apply simple statistical measurements.
 - a. Find measures of central tendency—mean, median, and mode—with simple sets of data.
 - b. Determine the range of a set of data.
- 05. The student will make predictions or decisions based on data.
 - a. Make predictions based on simple experimental probabilities.

313. Functions and Mathematical Models. One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.

- 01. The student will understand the concept of functions.
 - a. Extend patterns and identify a rule (function) that generates the pattern using whole numbers and decimals.
- 02. The student will apply functions to a variety of problems.
 - a. Use patterns to represent and solve simple problems.

**Idaho
Power Standards for Science
Grade 5**

603. Unifying Concepts of Science.

01. The student will understand systems, order, and organization.
 - a. Know that a system is an organized group of related objects that form a whole.
02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Know that observations and data are evidence on which to base scientific explanations and predictions.
 - b. Know the difference between observations and inferences.
 - c. Use models to explain or demonstrate a concept.
03. The student will understand constancy, change, and measurement.
 - b. Analyze changes that occur in and among systems.
 - c. Measure using standard and metric systems with an emphasis on the metric system.
05. The student will understand concepts of form and function.
 - a. Understand that the shape or form of an object or system is frequently related to its use or function.

604. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - a. Develop questions that can be answered by conducting scientific experiments.
 - b. Conduct scientific investigations using controls and variables when appropriate.
 - c. Select and use appropriate tools and techniques to gather and display data.
 - d. Analyze data in order to develop descriptions, explanations, predictions, and models using evidence.
 - e. Develop a hypothesis based on observations.
 - f. Compare alternative explanations and predictions.
 - g. Communicate scientific procedures and explanations.

605. Concepts of Physical Science.

01. The student will understand the structure and function of matter and molecules and their interactions.
 - b. Explore and calculate properties of matter.

610. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - a. Know that science and technology are human endeavors interrelated to each other, to society, and to the work place.
 - b. Compare scientific inquiry and technological design in terms of activities, results, and influences on individuals and society: know that science enables technology and vice versa.

611. Personal and Social Perspectives.

01. The student will understand common environmental quality issues, both natural and human induced.
 - a. Identify issues for environmental studies
03. The student will understand the importance of natural resources and the need to manage and conserve them.
 - a. Understand the differences between renewable and nonrenewable resources

613. Interdisciplinary Concepts.

02. The student will understand technical communication.
 - a. Read, understand, and follow technical instructions.

**Idaho
Power Standards for Social Studies
Grade 5**

446. Critical Thinking and Analytical Skills.

- 01. The student will acquire critical thinking and analytical skills.
 - a. Chronologically organize significant events and people who form the foundation of United States history.
 - b. Identify current events involving the nation.
 - d. Analyze, organize and interpret information.

447. Government/Civics: Evolution of Democracy.

- 01. The student will understand the evolution of democracy.
 - b. Know the difference between direct democracy and the constitutional (representative) democracy of today's United States.

449. History: Migration and Immigration.

- 01. The student will understand the role of migration and immigration of people in the development of the United States.
 - a. Identify the religious, political, and economic motives of voluntary European immigrants.

450. History: Political, Social, and Economic Response to Industrialization and Technological Innovation.

- 01. The student will understand the political, social, and economic responses to industrialization and technological innovations that have occurred in the United States.
 - a. Name some of the changes that have occurred to American society due to technological advances.

451. History: International Relations and Conflicts.

- 01. The student will understand significant conflicts in United States history.
 - d. Explain how the westward migration led to conflict between Native Americans and the settlers.
 - f. Discuss the causes and effects of various conflicts in American history.

452. History: Cultural and Social Development.

- 01. The student will understand the cultural and social development of the United States.
 - a. Explain important American customs, symbols, landmarks, and celebrations.
 - c. Identify influential cultural groups throughout American history.

453. Government/Civics: Foundations of the American Political System.

- 01. The student will understand the foundations and principles of the American political system.
 - a. Understand systems of government in Colonial America.
 - c. Identify and explain the important concepts in the Declaration of Independence.
 - e. Identify the important concepts in the U.S. Constitution.

454. Government/Civics: Organization and Formation of the American System of Government.

- 01. The student will understand the organization and formation of the American system of government.
 - a. Identify the three branches of government and the functions and powers of each.

455. Government/Civics: Citizen Responsibilities and Rights.

- 01. The student will understand that all citizens of the United States have responsibilities and rights.
 - a. Identify some of the personal responsibilities and basic rights of individual freedoms that belong to American citizens.

456. Economic Fundamentals.

- 01. The student will understand basic economic concepts.
 - d. Explain the concepts of free enterprise and profit and loss.

457. Economic Influences.

- 01. The student will understand there are many influences on economic systems.
 - a. Know the economic policies of England that contributed to the revolt in the North American colonies.

458. Geography.

- 01. The student will understand the spatial organizations of people, places, and environment on the earth's surface.
 - a. Develop and use different kinds of maps, globes, graphs, charts, databases, and models to display and obtain information.
- 03. The student will understand that human actions modify the physical environment and how physical systems affect human activity and living conditions.

- a. Identify ways the land has been changed by people, technology, and natural forces.

Grade 6 through Grade 8

**Idaho
Power Standards for Language Arts
Grade 6**

725. Reading. Read a variety of grade-level materials and apply strategies appropriate to various situations.

01. The student will read a variety of traditional and electronic materials for information and understanding.
 - a. Apply knowledge of roots, affixes, contractions, compound word, and possessives to determine word meanings.
 - c. On the basis of prior knowledge and information in text, predict alternatives or probabilities:
 - Synthesize information
 - Use connections between texts
 - g. Identify literary devices:
 - Mood
 - Tone
 - Style
 - Figurative language
03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
 - a. Identify author's purpose.
 - b. Analyze literary text for the following story elements:
 - Characters
 - Setting
 - Point of view
 - Plot structure
 - Theme
 - d. Use personal or objective criteria to do the following:
 - Draw conclusions
 - Make inferences
 - Determine meanings
 - Form opinions
 - Make judgments
 - e. Distinguish between fact and opinion and identify cause and effect relationships within expository text.
04. The student will read to locate information from a variety of traditional, technical, and electronic sources.
 - a. Use questions to guide reading:
 - Identify type of information required to answer a specific question
 - Use reasonable resources for answering questions
 - Read for a purpose of answering specific questions
05. The student will read for technical information.

- c. Apply knowledge of the following elements to understand text:
 - Graphics
 - Highlighting techniques
 - Organizers

726. Writing. Write to demonstrate skills and conventions according to purpose and audience.

- 01. The student will understand and use the writing process.
 - a. Understand and apply steps of the writing process
- 02. The student will write and edit for correctness and clarity.
 - b. Incorporate a variety of elements of writing.
 - c. Convey clear and focused main ideas that are appropriately supported by details and examples for selected topic, audience, and purpose.
- 03. The student will write to inform and explain.
- 04. The student will write for literary response and expression.
 - a. Compose a response using ideas and techniques from a variety of literature and fine arts that represent many cultures and perspectives.
 - c. Write and publish original creative works that include figurative and descriptive language.
- 05. The student will write to critically analyze and evaluate.
 - a. Analyze for the following elements:
 - Purpose
 - Ideas
 - Style
 - Structure
 - Effectiveness
- 06. The student will write to gather, synthesize, and communicate research finding.
 - a. With teacher support, incorporate a variety of technological and informational resources to do the following:
 - Appropriately paraphrase, quote, and cite to avoid plagiarism
 - Formulate thesis or focus and relevant support
 - Formulate and support main idea with evidence

727. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

- 01. The student will listen for information and understanding.
 - a. Acquire and summarize information from a variety of electronic or live sources.

728. Speaking. Use skills of speaking to effectively present information and present analyses or critiques of written or viewed material.

01. The student will speak to share an understanding of information.
 - a. Use age appropriate oral communication for various purposes and audiences that appropriately incorporates:
 - Word choice
 - Pronunciation
 - Inflection/modulation
 - Physical gestures
 - Eye contact
 - Posture
03. The student will speak for critical analysis and evaluation.
 - b. Encourage others' participation while exhibiting courteous, attentive, and appropriate behavior during discussions.

Idaho
Power Standards for Mathematics
Grade 6

NOTE: Use and teach the language of math to express mathematical ideas precisely.

317. Basic Arithmetic, Estimation, and Accurate Computations. An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.

01. The student will understand and use numbers.
 - a. Read, write, order, and compare whole numbers, fractions, and decimals.
 - b. Understand the use of fractions and decimals and their interrelationship.
 - c. Expand the use of decimals and fractions to explore the use of percents and ratios. *Not to be assessed at this grade level.*
 - e. Develop and apply number theory concepts (prime, composite, greatest common factor, lowest common multiple, prime factorization). *Not to be assessed at this grade level.*
02. The student will perform computations accurately.
 - a, b. Add, subtract, multiply, and divide whole numbers and decimals.
 - c. Add and subtract fractions with unlike denominators and simplify as necessary.
 - d. Instantly recall basic multiplication and division facts from 12 x 12 Times Table.
 - g. *Explore* multiplication and division of fractions. *Not to be assessed at this grade level.*
 - h. Select and use an appropriate method of computation from mental math, paper and pencil, calculator or combination of the three.
03. The student will estimate and judge reasonableness of results.
 - a. Use estimation to predict computation results.

318. Mathematical Reasoning and Problem Solving. These processes are essential to all mathematics and must be incorporated in all other mathematics standards.

01. The student will understand and use a variety of problem-solving skills.
 - a. Use a variety of strategies to compute problems drawn from real world situations.
02. The student will use reasoning skills to recognize problems and express them mathematically.

- a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models to explain mathematical reasoning and concepts.
- 04. The student will communicate results using appropriate terminology and methods.
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models to communicate mathematical information.

319. Concepts and Principles of Measurement. The first step in scientific investigation is understanding the measurable attributes of objects.

- 01. The student will understand and use U.S. customary and metric measurements.
 - a. Select and use appropriate units and tools to make formal measurements in both systems.
 - d., f. Solve problems involving time, length, perimeter, area, weight/mass, and temperature.
 - e. Convert unit of measurement within each system.

320. Concepts and Language of Algebra. Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.

- 01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
 - a. *Explore* the meaning and use of variables in simple expressions and equations. *Not to be assessed at this grade level.*
 - c. Read and use symbols ($<$, $>$, $=$) to express relationships.
- 02. The student will evaluate algebraic expressions.
 - a. *Explore* and use the following properties in evaluating mathematical and algebraic expressions: commutative, associative, identity, zero, inverse, and distributive. *Not to be assessed at this grade level.*

321. Concepts and Principles of Geometry. The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.

- 01. The student will apply concepts of size, shape, and spatial relationships.
 - a. Precisely describe, classify, and understand relationships among types of one-, two- and three- dimensional objects using their defining properties.

- e. *Develop and apply formulas for perimeter, circumference and area to triangles, quadrilaterals, and circles. Not to be assessed at this grade level.*
- 02. The student will apply graphing in two dimensions.
 - a. Identify and plot points on a coordinate plane.

322. Data Analysis, Probability, and Statistics. With society’s expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and process used in analyzing data.

- 01. The student will understand data analysis.
 - a., b. Read, interpret and justify conclusions drawn from tables, charts and graphs (line graphs, bar graphs, frequency line or line plot, and circle graph).
- 02. The student will collect, organize, and display data.
 - a. Collect, organize, and display the data with appropriate notation in tables, charts, and graphs (line graphs, bar graphs, frequency lines or line plots, and circle graphs).
- 03. The student will apply simple statistical measurements.
 - a. Find measures of central tendency—mean, median, and mode—with simple sets of data.
 - b. Determine the range of a set of data.
- 04. The student will understand basic concepts of probability.
 - a. Predict, perform and record results of simple probability experiments.

323. Functions and Mathematical Models. One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.

- 01. The student will understand the concept of functions.
 - a. Extend simple patterns and identify a rule (function) that generates the pattern using whole numbers, decimals, fractions as inputs.
- 02. The student will apply functions to a variety of problems.
 - a. Use patterns and functions to represent and solve simple problems.

**Idaho
Power Standards for Science
Grade 6**

618. Unifying Concepts of Science.

01. The student will understand systems, order, and organization.
 - a. Know that a system is an organized group of related objects that form a whole.
02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Know that observations and data are evidence on which to base scientific explanations and predictions.
 - b. Know the difference between observations and inferences.
 - c. Use models to explain or demonstrate a concept.
03. The student will understand constancy, change, and measurement.
 - b. Analyze changes that occur in and among systems.
 - c. Measure using standard and metric systems with an emphasis on the metric system.
05. The student will understand concepts of form and function.
 - a. Understand that the shape or form of an object or system is frequently related to its use or function.

619. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - a. Develop questions that can be answered by conducting scientific experiments.
 - b. Conduct scientific investigations using controls and variable when appropriate.
 - c. Select and use appropriate tools and techniques to gather and display data.
 - d. Analyze data in order to develop descriptions, explanations, predictions, and models using evidence.
 - e. Develop a hypothesis based on observations.
 - g. Communicate scientific procedures and explanations.

620. Concepts of Physical Science.

01. The student will understand the structure and function of matter and molecules and their interactions.
 - b. Explore and calculate the properties of matter.

625. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - a. Know that science and technology are human endeavors interrelated to each other, to society, and to the work place.
 - b. Compare scientific inquiry and technological design in terms of activities, results, and influences on individuals and society: know that science enables technology and vice versa.

626. Personal and Social Perspectives.

01. The student will understand common environmental quality issues, both natural and human induced.
 - a. Identify issues for environmental studies.
03. The student will understand the importance of natural resources and the need to manage and conserve them.
 - a. Understand the difference between renewable and nonrenewable resources.

628. Interdisciplinary Concepts.

02. The student will understand technical communication.
 - a. Read, understand, and follow technical instructions.

Idaho
Power Standards for Social Studies
Geography
Middle Grades (Grades 7-8)

473. Critical Thinking and Analytical Skills.

- 01. *The student will acquire critical thinking and analytical skills.*
 - a. *Use visual and mathematical data presented in charts, tables, graphs, maps, and other graphic organizers to assist in interpreting a historical event.*

469. Geography.

- 01. The student will understand the spatial organizations of people, places and environment on the earth's surface.
 - b. Develop and use different kinds of maps, globes, graphs, charts, databases, and models.
 - d. Use mental maps to answer geographic questions and to analyze how they reflect an individual's attitude toward places.
 - e. Analyze and explain human settlement as influenced by physical environment.
 - g. Explain ways places are connected and interdependent.
- 02. The student will understand the human and physical characteristics of places and regions.
 - d. Identify the criteria used to define types of regions.
 - g. Explain how culture influences people's perceptions of places and regions.
- 03. The student will understand the physical processes that shape and change the patterns of the earth's surface.
 - a. Correlate physical geography and climatic conditions.
- 04. The student will understand the migration and settlement of human populations on the earth's surface.
 - a. Analyze the ways groups, societies, and cultures address human needs and concerns.
 - c. Describe ways in which human migration influences the character of a place.
- 05. The student will understand that human actions modify the physical environment and how physical systems affect human activity and living conditions.
 - a. Analyze consequences of human changes to the physical environment.
 - f. Analyze world patterns of resource distribution and use.
- 06. The student will understand that geography enables people to comprehend the relationships between people, places, and environments over time.

- c. Analyze the effects of physical and human geographic factors on historic events.
- f. Integrate multiple points of view to analyze contemporary geographic issues.

Idaho
Power Standards for Social Studies
History of Human Civilization / World History
Middle Grades / Grades 9-12

473. Critical Thinking and Analytical Skills

- 01. *The student will acquire critical thinking and analytical skills.*
 - b. *Differentiate between historical facts and historical interpretations.*
 - d. *Identify an issue or problem of the past, obtain relevant historical data, and formulate a position or course of action on the issue.*

462. History of Human Civilization.

- 01. The student will understand the processes that gave rise to the earliest human communities.
- 04. The student will understand how natural resources and technological advances have shaped the relationships between different societies.
- 05. The student will understand the political, social and cultural causes and consequences of movements of populations.
- 07. The student will understand the development and role of religion in early civilizations.

463. Geography.

- 01. The student will understand the spatial organizations of people, places, and environment on the earth's surface.
- 02. The student will understand physical characteristics of different places and regions.
 - c. Identify characteristics of significant civilizations in world history.
- 03. The student will understand the migration and settlement of human populations on the earth's surface.
 - a. Identify main reasons for major migrations of people.
- 04. The student will understand that geography enables people to comprehend the relationships between people, places, and environments overtime.
 - a. Explain how the resources of an area can be the source of conflict between competing groups.

465. Economics.

- 01. The student will understand basic economic concepts.
 - a. Analyze the similarities of the needs and wants of people everywhere.
- 02. The student will understand the concept of money.
 - a. Analyze the role of money as a means of exchange.

03. The student will understand there are many influences on economic systems.
 - a. Compare and contrast the factors that promote economic growth.

Idaho
Power Standards for Social Studies
U.S. History
Middle Grades / *Grades 9-12*

473. Critical Thinking and Analytical Skills.

- 01. The student will acquire critical thinking and analytical skills.
 - c. Chronologically organize significant events and people who form the foundation of early United States history and explain their historical relationships.
 - d. Identify an issue or problem of the past, obtain relevant historical data, and formulate a position or course of action on the issue.

474. Government/Civics: Evolution of Democracy.

- 01. The student will understand the evolution of democracy.
 - b. Evaluate and interpret the concepts of popular consent, respect for the individual, equality of opportunity and personal liberty.
 - c. Analyze the issues surrounding centralized government versus states' rights issues.

475. History: Exploration and Expansion.

- 01. The student will understand the role of exploration and expansion in the development of the United States.
 - d. Summarize the major events in the European settlement of North America from Jamestown to the end of the 18th century.
 - e. Describe the United States territorial expansion between 1801 and 1861 and how it affected relations with external powers and Native Americans.

476. History: Migration and Immigration.

- 01. The student will understand the role of migration and immigration of people in the development of the United States.
 - c. Describe the history, interactions, and contributions of the various groups of people that have lived and migrated throughout North America.

477. History: Political, Social, and Economic Response to Industrialization and Technological Innovation.

- 01. The student will understand the political, social, and economic responses to industrialization and technological innovations that have occurred in the United States.

- a. Explain the consequences of scientific and technological inventions and changes on the social and economic lives of the people of the United States.

478. History: International Relations and Conflicts.

- 01. The student will understand significant conflicts in United States history.

479. History: Cultural and Social Development.

- 01. The student will understand the cultural and social development of the United States.
 - c. Know the common traits, beliefs, and characteristics that unite the United States as a nation and a society.

480. Government/Civics: Foundations of the American Political System.

- 01. The student will understand the foundations and principles of the American political system.
 - a. Identify and explain the role of the ideas expressed in such documents as the Magna Carta and the Mayflower Compact on the development of constitutional democracy in the United States.
 - b. Identify fundamental values and principles as expressed in basic documents such as the Declaration of Independence, the United States Constitution, and the Bill of Rights.
 - d. Evaluate issues in which fundamental values and principles are in conflict such as conflicts between liberty and equality, individual rights and the common good.

481. Government/Civics: Organization and Formation of the American System of Government.

- 01. The student will understand the organization and formation of the American system of government.
 - a. Explain how the executive, legislative, and judicial powers are distributed and shared among the three branches of national government.
 - b. Know how and why powers are distributed and shared between national and state governments in the United States.

482. Government/Civics: Citizen Responsibilities and Rights.

- 01. The student will understand that all citizens of the United States have responsibilities and rights.
 - b. Explain the relationship between individual freedom and personal responsibility in the United States.

483. Economic Fundamentals.

01. The student will understand basic economic concepts.
 - b. Know economic motivations for the constant expansion of the western border of the United States.

484. Economic Influences.

01. The student will understand there are many influences on economic systems.
 - b. Explain the role of government policy in the economic development of the United States.

485. Geography.

01. The student will understand the spatial organization of people, places and environment on the earth's surface.
 - a. Develop and use different kinds of maps, globes, charts, databases and models.
02. The student will understand the migration and settlement of human populations on the earth's surface.
 - a. Describe ways in which human migration influences the character of a place.
03. The student will understand that human actions modify the physical environment and how physical systems affect human activity and living conditions.
 - a. Analyze ways in which humans respond to their physical environment.

**Idaho
Power Standards for Language Arts
Grade 7**

734. Reading. Read a variety of grade-level materials and apply strategies appropriate to various situations.

01. The student will read a variety of traditional and electronic materials for information and understanding.
 - c. On the basis of prior knowledge and information in text, predict alternatives or probabilities in text.
02. The student will read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
 - d. Analyze narrative literature according to the following text elements:
 - Character
 - Setting
 - Conflict
 - Plot structure
 - Theme
 - Point of view
03. The student will read a variety of traditional technical, and electronic materials for critical analysis and evaluation.
 - a. Identify author's purpose.
 - b. Analyze literary text for the following story elements:
 - Character
 - Setting
 - Point of view
 - Plot structure
 - Theme
 - Conflict
 - Resolution
 - d. Use personal or objective criteria to do the following:
 - Draw conclusions
 - Make inferences
 - Determine meaning
 - Form opinions
 - Make judgments/interpretations
 - e. Distinguish between fact and opinion and identify cause and effect.
04. The student will read to locate information from a variety of traditional, technical, and electronic sources.
 - c. Synthesize what has been read:
 - Identify main idea and supporting details
 - Connect new to the known

- Ask new questions
 - Use prior knowledge and text information to draw conclusions, make judgments and interpretations
05. The student will read for technical information.
- b. Identify and use comprehension strategies to understand technical text.

735. Writing. Write to demonstrate skill and conventions according to purpose and audience.

01. The student will understand and use the writing process.
- a. Understand and apply steps of the writing process.
- c. Identify and use appropriate style and vocabulary for particular audience.
02. The student will write and edit for correctness and clarity.
- a. Determine and apply rules and conventions for the following:
- Eight parts of speech
 - Dependent and independent clauses
 - Common phrases to include prepositional participles and appositives
 - Punctuation
 - Capitalization
 - Spelling
 - Legibility
- b. Incorporate a variety of elements of writing.
- c. Convey clear and focused main ideas that are appropriately supported by details and examples for selected topic, audience, and purpose:
- Use topic sentences, appropriate word choices, variety of sentence structures, parallelism, transitions, paragraphing, indentation, organization, and documentation of sources.
 - Choose tone, voice, style, mood and persona appropriate for various purposes, disciplines, and audiences.
03. The student will write to inform and explain.
- b. Produce documents in appropriate format to inform and explain.
05. The student will write to critically analyze and evaluate.
- a. Analyze for the following elements:
- Purpose
 - Ideas
 - Style
 - Structure
 - Effectiveness
- b. Use a thesis with appropriate supporting evidence to persuade and inform a specific audience.
06. The student will write to gather, synthesize, and communicate research finding.

- a. With teacher support, incorporate a variety of informational and technological resources to perform the following:
 - Appropriately paraphrase, quote and cite to avoid plagiarism.
 - Consider motives, credibility, and perspectives of authors when selecting resource materials.
 - Formulate thesis or focus and provide relevant support.

736. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

03. The student will listen for critical analysis and evaluation.
 - a. Make informed decisions about purpose, content, organization, and delivery of verbal communication and non-verbal cues.

737. Speaking. Use skills of speaking to effectively present information and present analysis or critiques of written or viewed material.

01. The student will speak to share an understanding of information.
 - b. Plan and deliver oral presentations that include the following:
 - Transitions
 - Organization
 - Support of main ideas
 - Response to questions and feedback
 - Visual aids and appropriate technology
03. The student will speak for critical analysis and evaluation.
 - b. Encourage others' participation while exhibiting courteous, attentive and appropriate behavior during discussions
 - Listen well and verify understanding
 - Avoid monopolizing conversations
 - Raise pertinent questions

738. Viewing. Use skills of viewing to effectively understand and comprehend visually-presented information and use visual elements to produce visual presentations.

03. The student will view media to engage in critical analysis and evaluation.
 - b. Critique, interpret, and evaluate non-print media.

**Idaho
Power Standards for Mathematics
Grade 7**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

327. Basic Arithmetic, Estimation, and Accurate Computations. An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.

01. The student will understand and use numbers.
 - a. Read, write, order, and compare real numbers (integers, fractions, decimals) and absolute value.
 - b. Expand the use of percents and ratios to solve problems.
 - c. Show a sense of magnitudes and relative magnitudes of real numbers (integers, fractions, decimals).
 - d. *Develop* and apply number theory concepts. *Not to be assessed at this grade level.*
 - e. Understand the position of rational numbers on a number line.
02. The student will perform computations accurately.
 - a. Add, subtract, multiply, and divide fractions and decimal.
 - b. Evaluate numerical expressions using the order of operations.
 - c. *Explore* the use of exponents. *Not to be assessed at this grade level.*
 - d. *Explore* basic operations with integers. *Not to be assessed at this grade level.*
03. The student will estimate and judge reasonableness of results.
 - b. Recognize when estimation is appropriate and understand the usefulness of an estimate as distinct from an exact answer.

328. Mathematical Reasoning and Problem Solving. These processes are essential to all mathematics and must be incorporated in all other mathematics standards.

01. The student will understand and use a variety of problem-solving skills.
 - a. Use a variety of strategies including common mathematical formulas to compute problems drawn from real world situations.
02. The student will use reasoning skills to recognize problems and express them mathematically.
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models to explain mathematical reasoning and concepts.

- b. Apply solutions and strategies to new problem situations.
04. Communicate results using appropriate terminology and methods.
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models to communicate mathematical information.

329. Concepts and Principles of Measurement. The first step in scientific investigation is understanding the measurable attributes of objects.

01. The student will understand and use U.S. customary and metric measurements.
 - a. Select and use appropriate units and tools to make formal measurements in both systems.
 - d. Solve problems involving length, perimeter, area, volume (capacity), weight, mass, and temperature.
02. The student will apply concepts of rates and other derived or indirect measurements.
 - a. *Develop* the use of rates to make indirect measurements. *Not to be assessed at this grade level.*
03. The student will apply the concepts of ratios and proportions.
 - a. *Develop* the use of proportions, ratios, and scales. *Not to be assessed at this grade level.*
04. The student will apply dimensional analysis.
 - a. Understand units and their relationship to one another and to real-world applications.

330. Concepts and Language of Algebra. Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.

01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
 - a. *Develop* the use of variables in simple expressions and equations. *Not to be assessed at this grade level.*
 - c. Use symbols ($<$, $>$, $=$, \neq , \leq , \geq) to express relationships.
02. The student will evaluate algebraic expressions.
 - a. *Develop* an understanding of using the following properties in evaluating mathematical and algebraic expressions:
 - Commutative
 - Associative
 - Identity
 - Zero
 - Inverse
 - Substitution*Not to be assessed at this grade level.*

- b. Understand and use the order of operations in evaluating basic algebraic expressions.
- 03. The student will solve algebraic equations and inequalities.
 - a. Solve one-step equations using inverse operations

331. Concepts and Principles of Geometry. The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.

- 01. The student will apply concepts of size, shape, and spatial relationships.
 - a. Precisely describe, classify, and understand relationships among types of one-, two-, and three- dimensional objects using their defining properties.
 - b. Make and measure various angles and shapes using appropriate tools.
 - c. Apply fundamental concepts, properties, and relationships among points, lines, rays, planes, angles, and shapes.
 - e. Apply formulas for perimeter, circumference and area to triangles, quadrilaterals, and circles.
 - f. *Explore* the concept of surface area and volume (capacity). *Not to be assessed at this grade level.*
 - g. *Explore* and model the effects of reflections, translations, and rotations on various shapes. *Not to be assessed at this grade level.*
- 03. The student will apply graphing in two dimensions.
 - a. Identify and plot points on a coordinate plane.

332. Data Analysis, Probability, and Statistics. With society’s expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and processes used in analyzing data.

- 01. The student will understand data analysis.
 - a. Read and interpret tables, charts and graphs (scatter plots, line graphs, bar graphs, circle graphs, and stem-and-leaf plots).
 - b. Explain and justify conclusions drawn from tables, charts, and graphs.
- 02. The student will collect, organize, and display data.
 - a. Collect, organize and display data with appropriate notation in tables, charts and graphs (scatter plots, line graphs, bar graphs, circle graphs, and stem-and-leaf plots).
- 03. The student will apply simple statistical measurements.
 - a. Understand and use the measures of central tendency—mean, median and mode—with simple sets of data
 - b. *Explore* the significance of range, frequency, and informal distribution. *Not to be assessed at this grade level.*

- 05. The student will make predictions or decisions based on data.
 - a. Make predictions based on simple experimental and theoretical probabilities.

333. Functions and Mathematical Models. One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.

- 01. The student will understand the concept of functions.
 - a. Extend patterns and identify the rule (function) that generates the pattern using real numbers.
 - b. Use functional relationships to explain how a change in one quantity results in a change in another.
- 03. The student will apply functions to a variety of problems.
 - a. Use patterns and functions to represent and solve problems.

**Idaho
Power Standards for Science
Grade 7**

633. Unifying Concepts of Science.

01. The student will understand systems, order, and organization.
 - b. Know the different structural levels of which an organism is comprised: cells, tissues, organs, organ systems, and organisms.
02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Use observations and data as evidence on which to base scientific explanations and predictions.
 - b. Use observations to make defensible inferences.
 - c. Develop and/or use models to explain or demonstrate a concept.
03. The student will understand constancy, change, and measurement.
 - b. Analyze changes that occur in and among systems.
 - c. Measure precisely in metric units using appropriate tools.

634. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - b. Design and conduct scientific investigations using controls and variables when appropriate.
 - c. Select and use appropriate tools and techniques to gather and display data.
 - d. Analyze data in order to form conclusions.
 - e. Think critically and logically to accept or reject a hypothesis.
 - f. Analyze alternative explanations and predictions.
 - g. Communicate and defend scientific procedures and explanations.

640. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - a. Know that science and technology are human endeavors interrelated to each other, to society, and to the work place.
 - b. Compare and contrast scientific inquiry and technological design in terms of activities, results, and influence on individuals and society: know that science enables technology and vice versa.

641. Personal and Social Perspectives.

03. The student will understand the importance of natural resources and the need to manage and conserve them.
 - a. Explore alternative sources of energy.

643. Interdisciplinary Concepts.

02. The student will understand technical communication.
 - a. Read, understand, and follow technical instructions.

Idaho
Power Standards for Language Arts
Grade 8

743. Reading. Read a variety of grade-level materials and apply strategies appropriate to various situations.

01. The student will read a variety of traditional and electronic materials for information and understanding.
 - b. Search purposefully for particular information:
 - Inferential meanings
 - Cause/effect
 - Problem/solution
 - f. Identify literary devices:
 - Mood
 - Tone
 - Style
 - Figurative language
 - Symbolism
02. The student will read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
 - a. Define characteristics of the following literary forms and genres:
 - Fiction/non-fiction
 - Novel
 - Short story
 - Poetry
 - Biography
 - Plays
 - Essays
 - Reference material
 - d. Identify how an author uses language and literary devices to evoke a response in a reader:
 - Style
 - Format
 - Structure
 - Point of view
03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
 - a. Identify author's purpose.
 - b. Analyze literary text for the following story elements:
 - Characters
 - Setting
 - Point of view
 - Plot
 - Theme

- Conflict/resolution
 - Symbolism
04. The student will read to locate information from a variety of traditional, technical, and electronic sources.
- c. Synthesize what has been read:
- Identify main idea and supporting ideas
 - Identify important information, patterns, and themes
 - Connect new information with prior knowledge
 - Ask new questions
 - Draw conclusions, make critical judgments, and form interpretations
05. The student will read for technical information.
- a. Identify and use comprehension strategies to understand technical text.
- b. Use visual aids.
- c. Identify organization of technical texts.

744. Writing. Write to demonstrate skill and conventions according to purpose and audience.

01. The student will understand and use the writing process.
- a. Understand and apply steps of the writing process.
02. The student will write and edit for correctness and clarity.
- a. Determine and apply rules and conventions for the following:
- Eight parts of speech
 - Dependent and independent clauses
 - Common phrases to include prepositional participles and appositives
 - Punctuation
 - Capitalization
 - Spelling
 - Legibility
- c. Convey clear and focused main ideas, supported by details and examples that are appropriate to topic, audience, and purpose:
- Use topic sentences, appropriate word choice, a variety of sentences, structures, parallelism, transitions, paragraphing, indentation, organization and documentation of sources
 - Choose tone, voice, style, mood and persona appropriate for various purposes, disciplines and audiences
03. The student will write an expository essay to inform and explain.
- c. Demonstrate an understanding of four types of expository essays and draft samples of each:
- Problem/solution
 - Compare/contrast
 - Cause/effect

- Before/after
05. The student will write to critically analyze and evaluate within the confines of grade-level science and social studies curricula.
- c. Use writing to persuade.
06. The student will write to gather, synthesize, and communicate research findings.
- a. With teacher support, incorporate a variety of informational and technological resources to perform the following:
- Avoid plagiarism through proper use of paraphrasing, quoting, and citing
 - When selecting source materials, consider motives, credibility and perspectives of authors
 - Formulate thesis or focus and provide relevant support

745. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

01. The student will listen for information and understanding.
- b. Develop listening skills to gain enrichment and information about various cultures.
03. The student will listen for critical analysis and evaluation.
- a. Make informed decisions about the purpose, content, organization, and delivery of verbal communications and non-verbal cues.

746. Speaking. Use skills of speaking to effectively present information and present analysis or critiques of written and viewed material.

01. The student will speak to share an understanding of information.
- b. Plan and deliver oral presentations that incorporate the following:
- Effective transitions
 - Logical organizations
 - Support for main ideas
 - Appropriate examples
 - Responses to questions and feedback
 - Visual aids and appropriate technology
 - Proper English
03. The student will speak for critical analysis and evaluation.
- a., b. Clearly express and defend opinions and judgments.

747. Viewing. Use skills of viewing to effectively understand and comprehend visually-presented material and use visual elements to produce visual presentation.

03. The student will view media to engage in critical analysis and evaluation.
- a. Critique, interpret, and evaluate non-print media.

**Idaho
Power Standards for Mathematics
Grade 8**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

337. Basic Arithmetic, Estimation, and Accurate Computations. An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.

01. The student will understand and use numbers.
 - a. Read, write, order, and compare real numbers (integers, fractions, decimals, and percents) and absolute values.
 - b. Understand and use real numbers, both rational and irrational. Understand and use percents and ratios.
 - c. Show a sense of magnitudes and relative magnitudes of real numbers (integers, fractions, and decimals) using scientific notation and exponential numbers.
 - e. Understand the position of real numbers on a number line
02. The student will perform computations accurately.
 - a. Consistently and accurately add, subtract, multiply, and divide rational numbers.
 - b. Instantly recall common equivalent fractions, decimals, and percents (halves, thirds, fourths, fifths).
 - c. Evaluate numerical expressions using the order of operations.
 - d. Understand and use exponents.
03. The student will estimate and judge reasonableness of results.
 - a. Use estimation to predict computation result.

338. Mathematical Reasoning and Problem Solving. These processes are essential to all mathematics and must be incorporated in all other mathematics standards.

01. The student will understand and use a variety of problem-solving skills.
 - a. Use a variety of strategies including common mathematical formulas to compute problems drawn from real-world situations.
 - b. Recognize pertinent information for problem solving.
 - c. Make predications and decisions based on information.
02. Use reasoning skills to recognize problems and express them mathematically.
 - a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models to explain mathematical reasoning and concepts.

- b. Apply solutions and strategies to new problem situations.
 - c. Formulate conjectures and justify (short of formal proof) why they must be or seem to be true.
04. The student will communicate results using appropriate terminology and methods.
- a. Use a variety of methods, such as words, numbers, symbols, charts, graphs, tables, diagrams, and models to communicate mathematical information.

339. Concepts and Principles of Measurement. The first step in scientific investigation is understanding the measurable attributes of objects.

01. The student will understand and use U.S. customary and metric measurements.
- a. Select and use appropriate units and tools to make formal measurements in both systems.
 - c. Recognize the differences and relationships among measures of perimeter, area, and volume (capacity) in both systems.
 - d. Solve problems involving time, length, perimeter, area, surface area, volume (capacity), weight, mass, and temperature.
02. The student will apply concepts of rates and other derived or indirect measurements.
- a. Use rates to make indirect measurements.
03. The student will apply the concepts of ratios and proportions.
- a. Understand and use proportions, ratios, and scales.
04. The student will apply dimensional analysis.
- a. Understand units and their relationship to one another and to real world applications.

340. Concepts and Language of Algebra. Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.

01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
- a. Understand and use variables in expressions, equations, and inequalities.
 - b. Translate simple word statements and story problems into algebraic expressions and equations.
 - c. Use symbols ($<$, $>$, $=$, \neq , \leq , \geq) to express relationships.
02. The student will evaluate algebraic expressions.
- a. Understand and use the following properties in evaluating algebraic expressions: commutative, associative, identity, zero, inverse, distributive and substitution.

- b. Understand and use the order of operations in evaluating basic algebraic expressions.
 - c. Simplify algebraic expressions.
03. The student will solve algebraic equations and inequalities.
- a. Solve one- and two-step equations and inequalities using inverse operations.
 - b. *Explore* graphical representations to show simple linear equations. *Not to be assessed at this grade level.*

341. Concepts and Principles of Geometry. The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.

01. The student will apply concepts of size, shape, and spatial relationships.
- a. Precisely describe, classify, and understand relationships among types of one-, two-, and three- dimensional objects using their defining properties.
 - c. Understand and apply fundamental concepts, properties and relationships among points, lines, rays, angles, and shapes.
 - d. Recognize and apply congruence, similarities, and symmetry of shapes.
 - e. Apply formulas for perimeter, circumference and area to polygons and circles.
02. The student will apply the geometry of right triangles.
- a. Investigate right triangle geometry using the Pythagorean Theorem. *Not to be assessed at this grade level.*

342. Data Analysis, Probability, and Statistics. With society’s expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and processes used in analyzing data.

01. The student will understand data analysis.
- a., b. Analyze, interpret, and tables, charts and graphs (scatter plots, line graphs, bar graphs, circle graphs, stem-and-leaf plots, and box-and-whisker plots) and justify conclusions drawn.
02. The student will collect, organize, and display data.
- a. Collect, organize, and display data with appropriate notation in tables, charts and graphs (scatter plots, line graphs, bar graphs, circle graphs, stem-and-leaf plots, and box-and-whisker plots).
03. The student will apply simple statistical measurements.
- a. Choose and calculate the appropriate measure of central tendency—mean, median, and mode.
 - b. *Explore* the significance of range, frequency, and informal distribution. *Not to be assessed at this grade level.*
04. The student will understand basic concepts of probability.

- a. Model situations of probability using simulations.
- c. Recognize equally likely outcomes.
- 05. The student will make predictions or decisions based on data.
 - a. Make predictions based on experimental and theoretical probabilities.

343. Functions and Mathematical Models. One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.

- 01. The student will understand the concept of functions.
 - b. Use functional relationships to explain how a change in one quantity results in a change in another.
- 02. The student will represent equations, inequalities and functions in a variety of formats.
 - a. Represent a set of data in a table, as a graph, and as a mathematical relationship.
- 03. The student will apply functions to a variety of problems.
 - a. Use patterns and functions to represent and solve problems.

Idaho
Power Standards for Science
Earth Science
Middle Grades (Grades 7-8) / Grades 9-12

Middle Grades (Grades 7-8):

633. Unifying Concepts of Science.

01. The student will understand systems, order, and organization.
 - a. Define and order small systems of a whole for the purpose of investigation.
02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Use observations and data as evidence on which to base scientific explanations and predictions.
 - b. Use observations to make defensible inferences.
 - c. Develop and/or use models to explain or demonstrate a concept.
03. The student will understand constancy, change, and measurement.
 - a. Identify concepts in science that do not change with time.
 - b. Analyze changes that occur in and among systems.
 - c. Measure precisely in metric units using appropriate tools.

634. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - b. Design and conduct scientific investigations using controls and variables when appropriate.
 - c. Select and use appropriate tools and techniques to gather and display data.
 - d. Analyze data in order to form conclusions.
 - e. Think critically and logically to accept or reject a hypothesis.
 - f. Analyze alternative explanations and predications.
 - g. Communicate and defend scientific procedures and explanations.

635. Concepts of Physical Science.

01. The student will understand the structure and function of matter and molecules and their interactions.
 - b. Use properties to identify matter.

640. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - a. Know that science and technology are human endeavors interrelated to each other, to society, and to the work place.

- b. Compare and contrast scientific inquiry and technological design in terms of activities, results and influence on individuals and society: know that science enables technology and vice versa.

641. Personal and Social Perspectives.

- 03. The student will understand the importance of natural resources and the need to manage and conserve them.
 - a. Explore alternative sources of energy.

643. Interdisciplinary Concepts.

- 02. The student will understand technical communication.
 - a. Read, understand, and follow technical instructions.

Grades 9-12:

648. Unifying Concepts of Science.

- 01. The student will understand systems, order, and organization.
 - a. Know the scientific meaning and application of the concepts of system, order, and organization.
- 02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Know that observations and data are evidence on which to base scientific explanations
 - b. Use models to explain how things work
 - c. Develop scientific explanations based on scientific knowledge, logic and analysis
- 03. The student will understand constancy, change, and measurement.
 - b. Recognize that change occurs in and among systems and change can be measured
 - c. Measure in both the metric and U.S. customary system

649. Concepts of Scientific Inquiry.

- 01. The student will understand scientific inquiry and develop critical thinking skills.
 - a. Identify questions and concepts that guide scientific investigations
 - b. Design and conduct scientific investigations
 - c. Use technology and mathematics to improve investigations and communication
 - d. Formulate and revise scientific explanations and models using logic and evidence
 - e. Recognize and analyze alternative explanations and models
 - f. Communicate and defend a scientific argument
 - g. Know the differences among observations, hypotheses, and theories

650. Concepts of Physical Science.

01. The student will understand the structure of atoms.
 - b. Understand the process of fission and fusion

655. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - a. Know the ways that science advances technology and technology advances science
 - b. Recognize that science and technology are pursued for different purposes and that scientific inquiry is driven by the desire to understand the natural world and technological design is driven by the need to meet human needs and solve human problems

656. Personal and Social Perspectives.

01. The student will understand common environmental quality issues, both natural and human induced.
 - a. Identify issues, including but not limited to:
 - Water quality
 - Air quality
 - Hazardous waste
 - Forest health
03. The student will understand the importance of natural resources and the need to manage and conserve them.
 - a. Understand the difference between renewable and nonrenewable resources.

658. Interdisciplinary Concepts.

02. The student will understand technical communication.
 - a. Read for information.

Idaho
Power Standards for Science
Physical Science
Middle Grades (Grades 7-8) / Grades 9-12

Middle Grades (Grades 7-8):

633. Unifying Concepts of Science.

01. The student will understand systems, order, and organization.
 - a. Define and order small systems of a whole for the purpose of investigation.
02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Use observations and data as evidence on which to base scientific explanations and predictions.
 - b. Use observations to make defensible inferences.
 - c. Develop and/or use models to explain or demonstrate a concept.
03. The student will understand constancy, change, and measurement.
 - b. Analyze changes that occur in and among systems.
 - c. Measure precisely in metric units using appropriate tools.

634. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - b. Design and conduct scientific investigations using controls and variables when appropriate.
 - c. Select and use appropriate tools and techniques to gather and display data.
 - d. Analyze data in order to form conclusions.
 - e. Think critically and logically to accept or reject a hypothesis.
 - f. Analyze alternative explanations and predictions.
 - g. Communicate and defend scientific procedures and explanations.

640. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - a. Know that science and technology are human endeavors interrelated to each other, to society, and to the work place.
 - b. Compare and contrast scientific inquiry and technological design in terms of activities, results, and influence on individuals and society: know that science enables technology and vice versa.

641. Personal and Social Perspectives.

03. The student will understand the importance of natural resources and the need to manage and conserve them.
 - a. Explore alternative sources of energy.

643. Interdisciplinary Concepts.

02. The student will understand technical communication.
 - a. Read, understand, and follow technical directions.

Grades 9-12:

648. Unifying Concepts of Science.

01. The student will understand systems, order, and organization.
 - a. Know the scientific meaning and application of the concepts of system, order, and organization.
02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Know that observations and data are evidence on which to base scientific explanations.
 - b. Use models to explain how things work.
 - c. Develop scientific explanations based on scientific knowledge, logic and analysis.
03. The student will understand constancy, change, and measurement.
 - b. Recognize that change occurs in and among systems and change can be measured.
 - c. Measure in both the metric and U.S. customary system.

650. Concepts of Physical Science.

01. The student will understand the structure of atoms.
 - b. Understand the processes of fission and fusion.

655. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - a. Know the ways that science advances technology and technology advances science.
 - b. Recognize that science and technology are pursued for different purposes and that scientific inquiry is driven by the desire to understand the natural world and technological design is driven by the need to meet human needs and solve human problems.

656. Personal and Social Perspectives.

02. The student will understand common environmental quality issues, both natural and human induced.
 - a. Identify issues, including but not limited to:
 - Water quality

- Air quality
 - Hazardous waste
 - Forest health
03. The student will understand the importance of natural resources and the need to manage and conserve them.
- a. Understand the difference between renewable and nonrenewable resources.

658. Interdisciplinary Concepts.

02. The student will understand technical communication.
- a. Read for information.

Grade 9 through Grade 12

Idaho
Power Standards for Language Arts
Grades 9 and 10

752. Reading. *Read a variety of grade-level materials and apply strategies appropriate to various situations.*

01. The student will read a variety of traditional and electronic materials for information and understanding.
 - g. Explain how an author uses language and literary devices:
 - Mood
 - Tone
 - Style
 - Figurative language
 - Format
 - Structure
02. The student will read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
 - a. Know defining characteristics of literary forms and genres:
 - Fiction/non-fiction
 - Poems
 - Biographies/autobiographies
 - Science fiction
 - Parodies
 - Satires
 - Plays
 - c. Identify social, cultural, and historical significance of a text:
 - Ancient literature
 - British literature
 - American literature
 - World literature
 - d. Evaluate how an author uses language and literacy devices to evoke a response in a reader:
 - Style
 - Format
 - Structure
03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
 - a., e. In response to technical and other materials, evaluate validity and accuracy of information, using personal or objective criteria to:
 - Draw conclusions
 - Make inferences
 - Decide meanings
 - Form opinions
 - Make judgments

- b. Analyze author's purpose within a literary text:
 - Characterization
 - Setting
 - Plot Structure
 - Theme
 - Point of view
 - Organization and form
- 04. The student will read to locate information from a variety of traditional, technical, and electronic sources.
 - b., c. Systematically organize and record information:
 - Projects
 - Reports
- 05. The student will read for technical information.
 - a., b. Comprehend technical text using:
 - Visual aids
 - Organization

753. Writing. Write to demonstrate skill and conventions according to purpose and audience.

- 01. The student will understand and use the writing process.
 - a. Understand and apply steps of the writing process.
- 02. The student will write and edit for correctness and clarity.
 - a. Apply rules & conventions of the following:
 - Grammar
 - Punctuation
 - Capitalization
 - Spelling
 - b. Formulate purpose, thesis, support, focused paragraphs:
 - Use topic sentences; parallelism, transitions; paragraphing; indentation; organization; documentation
 - Choose tone, voice, mood, and persona appropriate for different purposes, disciplines, and audiences
- 04. The student will write for literary response and expression.
 - b. Formulate a thesis and supporting evidence as appropriate.
- 06. The student will write to gather, synthesize, and communicate research findings.
 - a. Use and document a variety of technological and informational resources:
 - Avoid plagiarism by paraphrasing, quoting, citing
 - Consider motives, credibility, and perspectives of authors when selecting sources
 - Formulate thesis or focus and relevant support

754. Listening. Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.

01. The student will listen for information and understanding.
 - c. Demonstrate effective interpersonal listening skills *through paraphrasing, appropriate body language, note taking, repeating, explaining, elaboration, outlining, and encouraging.*
03. The student will listen for critical analysis and evaluation.
 - a. Make informed judgments about purpose, content, organization, and delivery of verbal communications and nonverbal cues.

755. Speaking. Use skills of speaking to effectively present information and present analysis or critiques of written and viewed material.

01. The student will speak to share an understanding of information.
 - b. Create oral presentations that include the following:
 - Transitions and feedback
 - Organization
 - Support of main ideas
 - Examples
 - Response to questions and feedback
 - Visual aids and appropriate technology
 - c. Use oral communication for various purposes and audiences, including appropriately incorporating the following:
 - Word choice
 - Pronunciation
 - Inflection/modulation
 - Physical gestures
 - Eye contact
 - Posture
03. The student will speak for critical analysis and evaluation.
 - b. Encourage other's participation, while exhibiting courteous, attentive, and appropriate behavior during discussions:
 - Listen well and verify understanding
 - Avoid monopolizing conversations
 - Raise pertinent questions
 - Exhibit cultural sensitivity

756. Viewing. Use skills of viewing to effectively understand and comprehend visually-presented material and use visual elements to produce visual presentations.

01. The student will view for information and understanding.
 - a., b. Use traditionally non-print media to determine main idea and collect data.

**Idaho
Power Standards for Mathematics
Algebra
Grades 9-12**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

347. Basic Arithmetic, Estimation, and Accurate Computations. *An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.*

- 01. The student will understand and use numbers.
 - b. Understand the properties of *real numbers*.
 - c. Understand properties of roots and exponents.
- 03. The student will estimate and judge reasonableness of results.
 - a. Apply number sense to everyday situations.

348. Mathematical Reasoning and Problem Solving. *These processes are essential to all mathematics and must be incorporated in all other mathematics standards.*

- 01. The student will understand and use a variety of problem-solving skills.
 - a. Use a variety of methods, including common mathematical formulas to solve problems drawn from daily life.
- 02. The student will use reasoning skills to recognize problems and express them mathematically.
 - c. Make and evaluate logical arguments.
- 03. The student will apply appropriate technology and models to find solutions to problems.
 - a. Understand the purpose and capabilities of appropriate technology.
 - b. Understand the nature and use of mathematical models.
- 04. The student will communicate results using appropriate terminology and methods.
 - a. Select the appropriate terminology and methods to communicate mathematical information.

349. Concepts and Principles of Measurement. *The first step in scientific investigation is understanding the measurable attributes of objects.*

- 03. The student will apply the concepts of ratios and proportions.
 - a. Understand and use proportions, ratios and scaling.

350. Concepts and Language of Algebra. *Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.*

01. The student will use algebraic symbolism as a tool to represent mathematical relationships.
 - a. Understand and use variables, expressions, equations and inequalities.
02. The student will evaluate algebraic expressions.
 - a. Understand and use procedures for operating on algebraic expressions.
03. The student will solve algebraic equations and inequalities.
 - a. Understand and use appropriate procedures to solve linear equations and inequalities.
04. The student will solve simple linear systems of equations or inequalities.
 - a. Understand and use appropriate procedures to solve simple linear systems of equations.

351. Concepts and Principles of Geometry. *The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.*

02. The student will apply the geometry of right triangles.
 - c. Know and apply the Pythagorean Theorem to solve real-world problems.
03. The student will apply graphing in two dimensions.
 - a. Understand concepts of the Cartesian Coordinate System.

352. Data Analysis, Probability, and Statistics. *With society's expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and process used in analyzing data.*

01. The student will understand data analysis.
 - a. Read and interpret tables, charts and graphs.
02. The student will collect, organize, and display data.
 - a. Collect and organize data, and display the data in tables, charts and graphs.
04. The student will understand basic concepts of probability.
 - b. Distinguish between independent and dependent events.
 - c. Know that probability ranges from 0% to 100%. Understand randomness and chance.
05. The student will make predictions or decisions based on data.

- a. Use appropriate technology to employ simulation techniques, curve fitting, correlation, and graphical models to make predictions or decisions based on data.
- c. Analyze the effect of biased data on statistical predictions.

353. Functions and Mathematical Models. *One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.*

- 01. The student will understand the concept of functions.
 - a. Solve problems that involve varying quantities with variables, expressions, equation, inequalities, and absolute values.
- 02. The student will represent equations, inequalities and functions in a variety of formats.
 - a. Represent a set of data in a table, as a graph and as a mathematical relationship.

**Idaho
Power Standards for Mathematics
Geometry
Grades 9-12**

NOTE: Use and teach the language of math to express mathematical ideas precisely.

347. Basic Arithmetic, Estimation, and Accurate Computations. *An understanding of numbers and how they are used is necessary in the everyday world. Computational skills and procedures should be developed in context so the learner perceives them as tools for solving problems.*

- 01. The student will understand and use numbers.
 - c. Understand properties of roots and exponents.
- 03. The student will estimate and judge reasonableness of results.
 - a. Apply number sense to everyday situations.

348. Mathematical Reasoning and Problem Solving. *These processes are essential to all mathematics and must be incorporated in all other mathematics standards.*

- 01. The student will understand and use a variety of problem-solving skills.
 - a. Use a variety of methods, including common mathematical formulas, to solve problems drawn from daily life.
- 02. The student will use reasoning skills to recognize problems and express them mathematically.
 - a. Use inductive and deductive reasoning to set up *problems*.
 - b. Use logic to make mathematical proofs.
 - c. Make and evaluate logical arguments.
- 03. The student will apply appropriate technology and models to find solutions to problems.
 - a. Understand the purpose and capabilities of appropriate technology.
 - b. Understand the nature and use of mathematical models.
- 04. The student will communicate results using appropriate terminology and methods.
 - a. Select the appropriate *terminology and methods* to communicate mathematical information

349. Concepts and Principles of Measurement. *The first step in scientific investigation is to understand the measurable attributes of objects.*

- 01. The student will understand and use U.S. customary and metric measurements.

- a. Determine length, area, capacity, weight, time, and temperature, with appropriate units.
- 03. The student will apply the concepts of ratios and proportions.
 - a. Understand and use proportion, ratios and scaling.
- 05. The student will perform error analysis.
 - b. Understand that error accumulates in a computation when there is rounding at intermediate steps.

350. Concepts and Language of Algebra. *Algebra is the language of mathematics and science. Through the use of variables and operations, algebra allows students to form abstract models from contextual information.*

NO POWER STANDARDS

351. Concepts and Principles of Geometry. *The study of geometry helps students represent and make sense of the world by discovering relationships and developing spatial sense.*

- 01. The student will apply concepts of size, shape, and spatial relationships.
 - a. Understand congruence and similarity as they apply to reflection, rotation, and translation.
 - b. Understand scaling as it relates to size variations in one-, two-, and three- dimensional objects, while shape is maintained.
- 02. The student will apply the geometry of right triangles.
 - a. Understand the basic concepts of right triangle trigonometry (basic trigonometry ratios such as sine, cosine, and tangent)
 - b. Use trigonometric ratio methods to solve problems
 - c. Know and apply the Pythagorean Theorem to solve real world problems.

352. Data Analysis, Probability, and Statistics. *With society's expanding use of data for prediction and decision-making, it is important that students develop an understanding of the concepts and process used in analyzing data.*

NO POWER STANDARDS

354. Functions and Mathematical Models. *One of the central themes of mathematics is the study of patterns, relationships, and functions. Exploring patterns helps students develop mathematical power.*

NO POWER STANDARDS

**Idaho
Power Standards for Science
Biology
Grades 9-12**

648. Unifying Concepts of Science.

01. The student will understand systems, order, and organization.
 - a. Know the scientific meaning and application of the concepts of system, order, and organization.
02. The student will understand concepts and processes of evidence, models, and explanation.
 - a. Know that observations and data are evidence on which to base scientific explanations.
 - b. Use models to explain how things work.
 - c. Develop scientific explanations based on scientific knowledge, logic and analysis.
03. The student will understand constancy, change, and measurement.
 - b. Recognize that change occurs in and among systems and change can be measured.
 - c. Measure in both the metric and U.S. customary system.

649. Concepts of Scientific Inquiry.

01. The student will understand scientific inquiry and develop critical thinking skills.
 - a. Identify questions and concepts that guide scientific investigations.
 - b. Design and conduct scientific investigations.
 - c. Use technology and mathematics to improve investigations and communication.
 - d. Formulate and revise scientific explanations and models using logic and evidence.
 - e. Recognize and analyze alternative explanations and models.
 - f. Communicate and defend a scientific argument.
 - g. Know the differences among observations, hypotheses, and theories.

655. Technology.

01. The student will understand the relationship between science and technology and develop the abilities of technological design and application.
 - a. Know the ways that science advances technology and technology advances science.

- b. Recognize that science and technology are pursued for different purposes and that scientific inquiry is driven by the desire to understand the natural world and technological design is driven by the need to meet human needs and solve human problems.

656. Personal and Social Perspectives.

01. The student will understand common environmental quality issues, both natural and human induced.
 - a. Identify issues, including but not limited to:
 - Water quality
 - Air quality
 - Hazardous waste
 - Forest health
02. The student will understand the importance of natural resources and the need to manage and conserve them.
 - a. Understand the difference between renewable and nonrenewable resources.

658. Interdisciplinary Concepts.

02. The student will understand technical communication.
 - a. Read for information.

Idaho
Power Standards for Social Studies
U.S. History II
Grade 9-12

489. Critical Thinking and Analytical Skills.

- 01. The student will acquire critical thinking and analytical skills.
 - b. Evaluate and interpret points-of-view using primary and secondary sources.
 - c. Chronologically organize significant events and people in United States history into major eras and themes to identify and explain historical relationships.

490. Government/Civics: Evolution of Democracy.

- 01. The student will understand the evolution of democracy.
 - c. Analyze the struggles for the extension of civil rights.

494. History: Exploration and Expansion.

- 01. The student will understand the role of exploration and expansion in the development of the United States.
 - e. Identify philosophical changes in American foreign expansion from the territorial expansion of the 1890s to the economic and ideological influences of the present.

495. History: Migration and Immigration.

- 01. The student will understand the role of migration and immigration of people in the development of the United States.
 - b. Analyze the legal, political, social, and economic changes in the status of immigrant groups.

496. History: Political, Social and Economic Response to Industrialization and Technological Innovation.

- 01. The student will understand the political, social and economic responses to industrialization and technological innovations that have occurred in the United States.
 - a. Know the factors that contributed to the rise of industrialization in the 19th century.
 - b. Analyze the rise of the American labor movement.
 - c. Analyze the 20th century political responses to industrialization.

497. History: International Relations and Conflicts.

- 01. The student will understand significant conflicts in United States history.

498. History: Cultural and Social Development.

01. The student will understand the cultural and social development of the United States.
 - a. Know ways in which language, literature, the arts, traditions, beliefs, values and behavior patterns interact as an integrated whole to create and maintain culture.
 - b. Analyze contributions of the diverse cultures that make up the population of the United States.

Idaho
Power Standards for Social Studies
Economics
Grades 9-12

489. Critical Thinking and Analytical Skills

- 01. The student will acquire critical thinking and analytical skills.
 - a. Use analytical skills for reasoning, research, and reporting including interpretation of maps, charts, graphs, timelines and works of art.
 - b. Evaluate and interpret points-of-view using primary and secondary sources.

510. Fundamentals.

- 01. The student will understand basic economic concepts.
 - b. Know ways in which the interaction of all buyers and sellers influence prices.
 - d. Identify the incentives that determine what is produced and distributed in a competitive market system.
 - f. Compare and contrast free market and controlled economies of various nations and eras.

512. Influences.

- 01. The student will understand there are many influences on economic systems.
 - a. Explain the impact of culture, values, and belief systems on economic systems.
 - c. Describe and illustrate the impact of governmental policies and decisions on economic systems.

513. Economic Institutions.

- 01. The student will know the different types of economic institutions and understand how they differ from one another.
 - a. Know the characteristics of various types of business structures.
 - b. Identify the business characteristics of an entrepreneur.

514. Personal Finance.

- 01. The student will understand the concepts of good personal finance.
 - a. Examine and apply the elements of responsible personal fiscal management.

Idaho
Power Standards for Social Studies
U.S. Government
Grades 9-12

489. Critical Thinking and Analytical Skills.

- 01. Acquire critical thinking and analytical skills.
 - b. Evaluate and interpret points-of-view using primary and secondary sources.
 - c. Chronologically organize significant events and people in United States history into major eras and themes to identify and explain historical relationships.

490. Evolution of Democracy.

- 01. The student will understand the evolution of democracy.
 - a. Describe the origins of democratic tradition in western civilization.
 - e. Provide and evaluate examples of social and political leadership in American history.

503. Foundations of the American Political System.

- 01. The student will understand the foundations and principles of the American political system.
 - b. Compare and contrast the essential ideals and objectives of the original organizing documents of the United States including the Declaration of Independence, the Article of Confederation, and the United States Constitution.
 - c. Explain the central principles of the United States governmental system including written constitution, popular sovereignty, limited government, separation of powers, majority rule with minority rights, and federalism.
 - e. Analyze Amendments to the United States Constitution in terms of the conflicts they addressed and the reasons for their adoption.

504. Organization and Formation of the American System of Government.

- 01. The student will understand the organization and formation of the American System of Government.
 - a. Know the three branches of federal government, their powers and responsibilities.
 - b. Explain the functions, powers, and relationships among federal, state, and local governments.

- e. Analyze the role of political parties and other political organizations and their impact on the American system of government.

505. United States Foreign Affairs.

- 01. The student will understand the significance of United States foreign policy in the modern world.
 - b. Identify and evaluate the role of the United States in international organizations and agreements.

506. Citizen Responsibilities and Rights.

- 01. The student will understand that all citizens of the United States have responsibilities and rights.
 - a. Explain the balance of personal responsibilities and rights in American life.
 - b. Know the ways in which citizens can participate in the political processes at the local, state, and national level.

Idaho
Power Standards for Language Arts
Grades 11 and 12

752. Reading. *Read a variety of grade-level materials and apply strategies appropriate to various situations.*

01. The student will read a variety of traditional and electronic materials for information and understanding.
 - d.,e.,f. Identify, collect, and/or select, and relate pertinent information to given situations to synthesize, organize, apply and extend information.
 - g. Explain how an author uses language and literary devices:
 - Mood
 - Tone
 - Style
 - Figurative language
 - Format
 - Structure
02. The student will read and respond to a variety of literature to compare and contrast the many dimensions of human experience.
 - c. Interpret the social, cultural, and historical significance of a text:
 - Ancient literature
 - British literature
 - American literature
 - World literature
03. The student will read a variety of traditional, technical, and electronic materials for critical analysis and evaluation.
 - b. Analyze author's purpose within a literary text:
 - Characterization
 - Setting
 - Plot structure
 - Point of view
 - Organization and form
 - e. In response to technical materials, use personal or objective criteria to:
 - Draw conclusions
 - Make inferences
 - Decide meanings
 - Form opinions
 - Make judgments
04. The student will read to locate information from a variety of traditional, technical, and electronic sources.
 - b., c. Systematically organize and record information:
 - Projects

- Reports
05. The student will read for technical information.
- a.,b.,c. Comprehend technical text using:
- Visual aids
 - Organization

753. Writing. *Write to demonstrate skill and conventions according to purpose and audience.*

01. The student will understand and use the writing process.
- a. Understand and apply steps of the writing process.
02. The student will write and edit for correctness and clarity.
- a. Apply rules and conventions:
- Grammar
 - Punctuation
 - Capitalization
 - Spelling
- b. Formulate purpose, thesis, relevant support, and focused paragraphs:
- Use topic sentences, appropriate word choices and sentence structure, parallelism, transitions, paragraphing, indentation, organization, and documentation of sources
 - Choose tone, voice, style, mood, and persona appropriate for different purposes, disciplines, and audiences
04. The student will write for literary response and expression.
- a. Compare, contrast, and synthesize ideas and techniques from a variety of literatures and Fine Arts that represent many cultures and perspectives.
05. The student will write to critically analyze and evaluate.
- b. Formulate thesis and select appropriate supporting evidence to persuade or inform a specific audience.
06. The student will write to gather, synthesize, and communicate research findings.
- a. Use and document a variety of technological and informational resources:
- Avoid plagiarism by paraphrasing, quoting, citing
 - Consider motives, credibility, and perspectives of authors when selecting sources
 - Formulate thesis or focus and relevant support
- b. Present research findings.

754. Listening. *Use skills of listening to effectively understand, comprehend, and critique oral and visual presentations.*

01. The student will listen for information and understanding.

- a., b. Acquire, interpret, and apply information from a variety of electronic or live sources to gain enrichment and information about various cultures.
- 03. The student will listen for critical analysis and evaluation.
 - a. Make informed judgments about the purpose, content, organization, and delivery of verbal communications and nonverbal cues.

755. Speaking. Use skills of speaking to effectively present information and present analysis or critiques of written and viewed material.

- 01. The student will speak to share an understanding of information.
 - b. Create oral presentations that include the following:
 - Transitions and feedback
 - Organization
 - Support of main ideas
 - Examples
 - Response to questions and feedback
 - Visual aids and appropriate technology
 - c. Use oral communication for various purposes and audiences, including appropriately incorporating the following:
 - Word choice
 - Pronunciation
 - Inflection/modulation
 - Physical gestures
 - Eye contact
 - Posture
- 03. The student will speak for critical analysis and evaluation.
 - a. Clearly express opinions and judgments.

756. Viewing. Use skills of viewing to effectively understand and comprehend visually-presented material and use visual elements to produce visual presentations.

- 04. The student will use a variety of resources to produce visuals that communicate through print and non-print media.
 - a. Produce effective visuals which include the following:
 - Essential messages and images
 - Effective use of time, space, and organization
 - Appropriate style, word choices, grammar, punctuation, and spelling
 - Proper documentation

