

LEGEND FOR INTERPRETTING CSAP CHARTS

Reading

Std1 = Students read and understand a variety of materials

Std4 = Students apply thinking skills to their reading, writing, speaking, listening and viewing

Std5 = Students read to locate, select, and make use of relevant information from a variety of media, references, and technological sources

Std6 = Students read and recognize literature as a record of human experience

Subcontent Areas:

P = Poetry

F = Fiction

NF = Nonfiction

V = Vocabulary

Writing

Std2 = Students write and speak for a variety of purposes and audiences

Std3 = Students write and speak using conventional grammar, usage, sentence structure, punctuation, capitalization, and spelling

Subcontent Areas:

PW = Paragraph Writing

EW = Extended Writing

GU = Grammar Usage

M = Mechanics

Writing Sub-Content Areas Described

Paragraph Writing: Student writes a short written product in response to a prompt. There is a small amount of space provided for planning, however, no score is awarded for any plan. To complete this task, it is not expected that the student would write a draft, revise, edit and re-write into a final written product.

Extended Writing: Student writes an extended written product in response to a prompt. It is expected that the student would use the entire writing process,

including the completion of some sort of plan, a written draft, revision, and edit before the completion of the final written product in the test booklet. One point is awarded for evidence of a planning stage in this writing process. *NOTE: Extended Writing is not reported in Grade 3.*

Grammar and Usage: Student uses knowledge of English language rules including grammar, syntax and sentence structure to demonstrate proper English usage in both written prompts and multiple choice formats. *NOTE: Grammar and Usage is not reported in Grade 3.*

Mechanics: Student uses knowledge of punctuation, spelling, and procedures for creating a variety of sentence structures to demonstrate proper English usage in both written prompts and multiple choice formats.

Math

Std1 = Students develop number sense and use numbers and number relationships in problem-solving situations and communicate the reasoning used in solving these problems.

Std2 = Students use algebraic methods to explore, model, and describe patterns and functions involving numbers, shapes, data, and graphs in problem-solving situations and communicate the reasoning used in solving these problems.

Std3 = Students use data collection and analysis, statistics, and probability in problem-solving situations and communicate the reasoning used in solving these problems.

Std4 = Students use geometric concepts, properties, and relationships in problem-solving situations and communicate the reasoning used in solving these problems.

Std5 = Students use a variety of tools and techniques to measure, apply the results in problem-solving situations, and communicate the reasoning used in solving these problems.

Std6 = Students link concepts and procedures as they develop and use computational techniques, including estimation, mental arithmetic, paper-and-pencil, calculators, and computers, in problem-solving situations and communicate the reasoning used in solving these problems.

Sub-Content Areas Listed: Note- areas vary by grade level:

NO = Numerical Operations

P = Patterns

DD = Data Display

M = Measurements

AP = Area and perimeter relationships

G = Geometry

LP = Linear Pattern Representations

PT = Proportional Thinking

MF = Multiple Representations of Linear and Non-Linear Function

P = Probability and Counting Techniques

Math Sub-Content Area Descriptions, By Grade Level

4th Grade:

Number and Operation Sense: The student demonstrates meanings for whole numbers, commonly-used fractions, decimals as money and the four basic arithmetic operations including the use of manipulatives, drawings, and decomposing and composing numbers.

Patterns: The student reproduces, extends, creates and describes geometric and numeric patterns as problem-solving tools.

Measurement: The student demonstrates knowledge of time, and understands the structure and use of US customary and metric measurement tools and units.

5th Grade:

Number and Operation Sense: The student demonstrates the meaning of whole numbers, commonly used fractions, decimals and the four basic arithmetic operations through the use of drawings, decomposing and composing numbers, and identify factors, multiples and prime/composite numbers.

Patterns: The student represents, describes, and analyzes geometric and numeric patterns using tables, graphs, and verbal rules as problem solving tools.

Data Displays: The student organizes constructs, and interprets displays of data including tables, charts, pictographs, line plots, bar graphs, and chooses the correct graph from possible graph representations of a given scenario.

6th Grade:

Number and Operation Sense: The student demonstrates an understanding of relationships among benchmark fractions, decimals, and percents and justifies the reasoning used. The student adds and subtracts fractions and decimals in problem solving situations.

Patterns: The student represents, describes and analyzes geometric and numeric patterns using tables, words, concrete objects and pictures in problem solving situations.

Geometry: The student will reason informally about the properties of two-dimensional figures and solve problems involving area and perimeter.

Math Sub-content Areas described, by grade level, cont.

7th Grade

Number Sense: The student will demonstrate understanding of the concept of equivalency as related to fractions, decimals, and percents.

Area and Perimeter Relationships: The student demonstrates understanding of perimeter, circumference, and area, and recognizes the relationships between them.

8th Grade

Linear Pattern Representation: The student represents, describes, and analyzes linear patterns using tables, graphs, verbal rules, and standard algebraic notation and solves simple linear equations in problem-solving situations using a variety of methods.

Proportional Thinking: The student applies the concepts of ratio, proportion, scale factor, and similarity including using the relationships among fractions, decimals, and percents in problem solving situations.

Geometry: The student describes, analyzes and reasons informally about properties of two and three-dimensional figures to solve problems.

9th Grade

Multiple Representations of Linear and Non-Linear Function: The student represents functional relationships which model real world phenomena using written explanations, tables, equations, and graphs, describes the connections among these representations and converts from one representation to another.

Proportional Thinking: The student applies the concepts of ratio, proportion, scale factor, and similarity including using the relationships among fractions, decimals, and percents in problem-solving situations.

10th Grade

Multiple Representation of Function: The student represents functional relationships which model real world phenomena using written explanations, tables, equations, and graphs, describes line connections among these representations and converts from one representation to another.

Probability and Counting Techniques: The student applies organized counting techniques to determine a sample space and theoretical probability of an identified event which includes differentiating between independent and dependent events and using area models to determine probability.

Science

Std1 = Students apply the processes of scientific investigation and design, conduct, communicate about, and evaluate such investigations.

Std2 = Physical Science: Students know and understand common properties, forms, and changes in matter and energy.

Std3 = Life Science: Students know and understand the characteristics and structure of living things, the processes of life, and how living things interact with each other and their environment. (*Focus: Biology-- Anatomy, Physiology, Botany, Zoology, Ecology*)
Students know and can demonstrate understanding that:

Std4 = Earth and Space Science: Students know and understand the processes and interactions of Earth's systems and the structure and dynamics of Earth and other objects in space. (*Focus: Geology, Meteorology, Astronomy, Oceanography*)

Std5 = Students understand that the nature of science involves a particular way of building knowledge and making meaning of the natural world.

Science Sub-Content Areas Listed: Note- areas vary by grade level:

EI = Experimental Design & Investigations

RD = Results and Data Analysis

P = Physics Concepts

C = Chemistry Concepts

LP = Life Processes

GA = Geology and Astronomy

CHART- Science Sub-content Area by Grade Level

	Grade 5	Grade 8	Grade 10
Sub-Content Area #	Sub-Content Area		
1	Experimental Design & Investigations	Experimental Design & Investigations	Experimental Design & Investigations
2	Results and Data Analysis	Results and Data Analysis	Results and Data Analysis
3		Physics Concepts	
4			Chemistry Concepts
5		Life Processes	Life Processes
6		Geology and Astronomy	Geology and Astronomy