ENGLISH I CAN STATEMENTS

English 8 I Can Statements
1) I can determine central idea or theme of a text and analyze its development.
2) I can summarize key supporting detail and ideas.
3) I can analyze texts to compare how two or more authors address a similar theme or topic.
4) I can analyze structure in a text (compare/contrast, chronological, cause/effect, question/answer, problem/solution, narrative, descriptive).
5) I can analyze texts to determine author's point of view or purpose.
6) I can write clear and coherent arguments to support claims and address counter-claims, using organization, style, and conventions which are appropriate to task, audience, and purpose.
7) I can write clear and coherent informative responses to convey complex ideas and information using multiple texts.
8) I can cite specific textual evidence to support ideas drawn from the text with relevant elaboration, using quotes and/or paraphrasing.

MATH I CAN STATEMENTS

Math 7 I Can Statements
1) I can compute fluently with integers.
2) I can compute fluently with rational numbers.
3) I can recognize and represent proportional relationships between two quantities.
4) I can use proportions to solve multi-step problems.
5) I can write and solve one and two-step equations.
6) I can solve problems involving scale drawings of geometric figures.
7) I can solve equations using angle relationships.
8) I can solve problems involving area and volume of two and three-dimensional figures.
9) I can recognize a biased sample about a given population.
10) I can use probability to predict simple real world events.

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2) I can compute fluently with rational numbers.
3) I can recognize and represent proportional relationships between two quantities.
4) I can use proportions to solve multi-step problems.
5) I can write and solve one and two-step equations.
6) I can write and solve one and two-step inequalities.
7) I can solve problems involving scale drawings of geometric figures.
8) I can solve equations using angle relationships.
9) I can solve problems involving area, volume and surface area of two and three-dimensional figures.
10) I can compare data on two populations and make inferences from the data.
11) I can use probability to predict simple and compound real world events.
**Math 8 I Can Statements**

1) I can classify real numbers. (Mod 1)
2) I can simplify problems with exponents and work with scientific notation. (Mod 2)
3) I can identify, interpret, and represent proportional and non-proportional linear relationships. (Mod 3, 4 and 5)
4) I can construct and interpret scatter plots. (Mod 14)
5) I can identify and analyze functions. (Mod 6)
6) I can solve multi-step equations. (Mod 7)
7) I can describe the properties of translations, rotations, reflections and dilations on two-dimensional figures and explain congruence and similarity using models (Mod 9, 10)
8) I can identify angle relationships made with parallel lines and a transversal and apply the Pythagorean theorem to solve problems. (Mod 11, 12)
9) I can solve problems involving volumes of cylinders, cones and spheres. (Mod 13)

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5) I can identify and analyze functions. (Mod 6)
6) I can solve multi-step equations. (Mod 7)
7) I can analyze and solve systems of linear equations. (Mod 8)
8) I can describe the properties of translations, rotations, reflections and dilations on two-dimensional figures and explain congruence and similarity using models (Mod 9, 10)
9) I can identify angle relationships made with parallel lines and a transversal and apply the Pythagorean theorem to solve problems. (Mod 11, 12)
10) I can solve problems involving volumes of cylinders, cones and spheres. (Mod 13)
11) I can construct and interpret 2-way tables. (Mod 15)

**SM1 I Can Statements**

1) I can interpret the structure of expressions and reason quantitatively to solve problems.
2) I can create equations that describe numbers or relationships and solve equations and inequalities.
3) I can understand the concept of functions and use functions notation.
4) I can interpret, analyze, build, and compare functions - linear and exponential.
5) I can solve equations in one and two variables, and solve systems of equations.
6) I can summarize, represent, and interpret data on a single count, two categorical variables and interpret linear models.
7) I can experiment with transformations in the plane and understand congruence in rigid motion.
8) I can use coordinates to prove simple geometric theorems algebraically.
9) I can interpret the structure of expressions and reason quantitatively to solve problems.
10) I can create equations that describe numbers or relationships and solve equations and inequalities.
11) I can understand the concept of functions and use functions notation.
12) I can interpret, analyze, build, and compare functions linear and exponential.

SCIENCE I CAN STATEMENTS

Science 7 I Can Statements
1) I can apply my understanding of the nature of science to solve problems using observation, inference and data analysis.
2) I can describe the structure of matter by comparing and contrasting atoms and molecules.
3) I can diagram and explain the arrangement and movement of particles in solids, liquids and gases.
4) I can describe the relationship between mass and volume as it relates to density and calculate the density of solids, liquids and gases.
5) I can predict how density affects the arrangement of the interior layers of the Earth and how size affects the sorting of materials on the Earth’s surface.
6) I can identify the structure of organelles in various types of cells and discuss their respective functions.
7) I can explain the five levels of organization from simple to complex by citing examples and showing how the levels are interconnected.
8) I can compare and contrast the similarities and differences between sexual and asexual reproduction and how genetic information is passed from one generation to the next by examining the traits of parent/parents and their offspring in various examples of organisms.
9) I can explain and predict how a species’ adaptability is an environment relates to the organism’s inherited traits.
10) I can classify based on observable physical properties and structures using a classification key.

Science 8 I Can Statements
1) I can apply my understanding of the nature of science to solve problems using observation, inference and data analysis.
2) I can identify observable evidence of a physical and a chemical change including the kinds of energy involved.
3) I can identify the reactants and products in a given chemical reaction.
4) I can trace the path of energy from the sun to mechanical energy in plants and animals through photosynthesis and respiration.
5) I can categorize the relationships between organisms.
6) I can diagram and explain the process of the rock cycle.
7) I can identify the processes that change the surface of the Earth.
8) I can identify the assumptions scientists make to determine relative ages of rock layers.
9) I can compare the transfer of energy through various mediums.
10) I can describe how gravity and friction affect the motion of an object.
11) I can design and build a complex machine using simple machines to accomplish a specified task.
12) I can trace the conversion of energy from one form of energy to another including potential and kinetic energy.