



## 6th Grade Essential Standards

### Quarter 1

#### ELA:

- 6.RL.1.A- Draw conclusions, infer and analyze by citing textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- 6.RI.1.D - Explain the central/main idea(s) of a text and cite evidence of its development; summarize the text.

#### Math:

- 6.EE1.A.3 – Identify and generate equivalent algebraic expressions using mathematical properties.
- 6.RP.A.3 –
  - a. Create tables of equivalent ratios, find missing values in the tables and plot the pairs of values on the Cartesian coordinate plane.
  - b. Solve unit rate problems.
  - c. Solve percent problems.
  - d. Convert measurement units within and between two systems of measurement.

#### Science:

- 6-8.LS1.A.1 - Provide evidence that organisms (unicellular and multicellular) are made of cells and that a single cell must carry out all of the basic functions of life.

### Quarter 2

#### ELA:

- 6.RI.1.D - Explain the central/main idea(s) of a text and cite evidence of its development; summarize the text.
- 6.RI.2.D- Identify an author's argument in a text and distinguish claims that are supported by reasons and evidence from claims that are not.

#### Math:

- 6.RP.A.3 –
  - c. Solve percent problems.
- 6.NS.A.1a – Solve problems involving division of fractions by fractions.

#### Science:

- 6-8.LS1.A.4 - Present evidence that body systems interact to carry out key body functions, including providing nutrients and oxygen to cells, removing carbon dioxide and waste from cells and the body, controlling body motion/activity and coordination, and protecting the body.
- 6-8.LS1.B.2 - Construct a scientific explanation based on evidence for how environmental and genetic factors influence the growth of organisms.



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### Quarter 3

#### ELA:

- 6.RL.1.D- Using appropriate text, determine the theme(s) of a text and cite evidence of its development; summarize the text.
- 6.RL.2.B - Point of view: Analyze how an author develops his/her point of view or purpose and distinguishes it from those of others.
- 6.W.2.A.b Expository: Develop informative/explanatory writing to examine a topic with relevant facts, examples, and details.

#### Math:

- 6.NS.C.8 – Extend prior knowledge to generate equivalent representations of rational numbers between fractions, decimals and percentages (limited to terminating decimals and/or benchmark fractions of  $\frac{1}{3}$  and  $\frac{2}{3}$ ).
- 6.EE.C.9a – Write an equation to express one quantity, the dependent variable, in terms of the other quantity, the independent variable.

#### Science:

- 6-8.LS4.A.1 - Analyze and interpret evidence from the fossil record to infer patterns of environmental change resulting in extinction and changes to life forms throughout the history of the Earth.
- 6-8.LS4.C.1 - Interpret graphical representations to support explanations of how natural selection may lead to increases and decreases of specific traits in populations over time.
- 6-8.LS4.B.2 - Gather and synthesize information about the technologies that have changed the way humans influence the inheritance of desired traits in organisms.

### Quarter 4

#### ELA:

- 6.RI.1.A- Draw conclusions, infer and analyze by citing textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- 6.RL.1.D- Using appropriate text, determine the theme(s) of a text and cite evidence of its development; summarize the text.
- 6.W.2.A.b Expository: Develop informative/explanatory writing to examine a topic with relevant facts, examples, and details.

#### Math:

- 6.EE.B.6 – Write and solve equations using variables to represent quantities, and understand the meaning of the variable in the context of the situation.
- 6.DSP.B.5d – Analyze the choice of measures of center and variability based on the shape of the data distribution and/or the context of the data.

#### Science:

- 6-8.LS2.B.1 - Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.
- 6-8.LS2.A.1 - Analyze and interpret data to provide evidence for the effects of resource availability on individual organisms and populations of organisms in an ecosystem.
- 6-8.LS2.C.1 - Construct an argument supported by empirical evidence that explains how changes to physical or biological components of an ecosystem affect populations.