

**Approved Facility Schools**  
**Appendix 1**  
**Science Connections to Common Core State Standards**  
**3<sup>rd</sup> Grade**

ELA/Literacy:

- **RI.3.1** Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers. (3-PS2-1) (3-PS2-3) (3-LS2-1) (3-LS3-1) (3-LS3-2) (3-LS4-1) (3-LS4-2) (3-LS4-3) (3-LS4-4) (3-ESS2-2)
- **RI.3.2** Determine the main idea of a text; recount the key details and explain how they support the main idea. (3-LS3-1) (3-LS3-2) (3-LS4-1) (3-LS4-2) (3-LS4-3) (3-LS4-4)
- **RI.3.3** Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text, using language that pertains to time, sequence, and cause/effect. (3-PS2-3) (3-LS2-1) (3-LS3-1) (3-LS3-2) (3-LS4-1) (3-LS4-2) (3-LS4-3) (3-LS4-4)
- **RI.3.7** Use information gained from illustrations (e.g., maps, photographs) and the words in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur). (3-LS1-1)
- **RI.3.8** Describe the logical connection between particular sentences and paragraphs in a text (e.g., comparison, cause/effect, first/second/third in a sequence). (3-PS2-3)
- **RI.3.9** Compare and contrast the most important points and key details presented in two texts on the same topic. (3-ESS2-2)
- **W.3.1** Write opinion pieces on topics or texts, supporting a point of view with reasons. (3-LS2-1) (3-LS4-1) (3-LS4-3) (3-LS4-4) (3-ESS3-1)
- **W.3.2** Write informative/explanatory texts to examine a topic and convey ideas and information clearly. (3-LS3-1) (3-LS3-2) (3-LS4-1) (3-LS4-2) (3-LS4-3) (3-LS4-4)
- **W.3.7** Conduct short research projects that build knowledge about a topic. (3-PS2-1) (3-PS2-2) (3-LS1-1) (3-ESS3-1)
- **W.3.8** Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories. (3-PS2-1) (3-PS2-2) (3-LS4-1) (3-ESS2-2)
- **SL.3.3** Ask and answer questions about information from a speaker, offering appropriate elaboration and detail. (3-PS2-3)
- **SL.3.4** Report on a topic or text, tell a story, or recount an experience with appropriate facts and relevant, descriptive details, speaking clearly at an understandable pace. (3-LS3-1) (3-LS3-2) (3-LS4-2) (3-LS4-3) (3-LS4-4)
- **SL.3.5** Create engaging audio recordings of stories or poems that demonstrate fluid reading at an understandable pace; add visual displays when appropriate to emphasize or enhance certain facts or details. (3-LS1-1)

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Mathematics:

- **MP.2** Reason abstractly and quantitatively. (3-PS2-1) (3-LS3-1) (3-LS3-2) (3-LS4-1) (3-LS4-2) (3-LS4-3) (3-LS4-4) (3-ESS2-1) (3-ESS2-2) (3-ESS3-1)
- **MP.4** Model with mathematics. (3-LS1-1) (3-LS2-1) (3-LS3-1) (3-LS3-2) (3-LS4-1) (3-LS4-2) (3-LS4-3) (3-LS4-4) (3-ESS2-1) (3-ESS2-2) (3-ESS3-1)
- **MP.5** Use appropriate tools strategically. (3-PS2-1) (3-LS4-1) (3-ESS2-1)
- **3.MD.A.2** Measure and estimate liquid volumes and masses of objects using standard units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units, e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem. (3-PS2-1) (3-ESS2-1)
- **3.MD.B.3** Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step “how many more” and “how many less” problems using information presented in scaled bar graphs. (3-LS4-2) (3-LS4-3) (3-ESS2-1)
- **3.MD.B.4** Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units—whole numbers, halves, or quarters. (3-LS3-1) (3-LS3-2) (3-LS4-1)
- **3.NBT** Number and Operations in Base Ten (3-LS1-1) (3-LS2-1)
- **3.NF** Number and Operations—Fractions (3-LS1-1)