

Approved Facility Schools
Appendix 1
Science Connections to Common Core State Standards
5th Grade

ELA/Literacy:

- **RI.5.1** Quote accurately from a text when explaining what the text says explicitly and when drawing inferences from the text. (5-PS2-1) (5-LS1-1) (5-ESS1-1) (5-ESS3-1) (3-5-ETS1-2)
- **RI.5.7** Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently. (5-PS1-1) (5-PS3-1) (5-LS2-1) (5-ESS1-1) (5-ESS2-1) (5-ESS2-2) (5-ESS3-1) (3-5-ETS1-2)
- **RI.5.8** Explain how an author uses reasons and evidence to support particular points in a text, identifying which reasons and evidence support which point(s). (5-ESS1-1)
- **RI.5.9** Integrate information from several texts on the same topic in order to write or speak about the subject knowledgeably. (5-PS2-1) (5-LS1-1) (5-ESS1-1) (5-ESS3-1) (3-5-ETS1-2)
- **W.5.1** Write opinion pieces on topics or texts, supporting a point of view with reasons and information. (5-PS2-1) (5-LS1-1) (5-ESS1-1)
- **W.5.7** Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic. (5-PS1-2) (5-PS1-3) (5-PS1-4) (3-5-ETS1-1) (3-5-ETS1-3)
- **W.5.8** Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources. (5-PS1-2) (5-PS1-3) (5-PS1-4) (5-ESS2-2) (5-ESS3-1) (3-5-ETS1-1) (3-5-ETS1-3)
- **W.5.9** Draw evidence from literary or informational texts to support analysis, reflection, and research. (5-PS1-2) (5-PS1-3) (5-PS1-4) (5-ESS3-1) (3-5-ETS1-1) (3-5-ETS1-3)
- **SL.5.5** Include multimedia components (e.g., graphics, sound) and visual displays in presentations when appropriate to enhance the development of main ideas or themes. (5-PS3-1) (5-LS2-1) (5-ESS1-2) (5-ESS2-1) (5-ESS2-2)

Mathematics:

- **MP.2** Reason abstractly and quantitatively. (5-PS1-1) (5-PS1-2) (5-PS1-3) (5-LS1-1) (5-LS2-1) (5-ESS1-1) (5-ESS1-2) (5-ESS2-1) (5-ESS2-2) (5-ESS3-1) (3-5-ETS1-1) (3-5-ETS1-2) (3-5-ETS1-3)
- **MP.4** Model with mathematics. (5-PS1-1) (5-PS1-2) (5-PS1-3) (5-LS1-1) (5-LS2-1) (5-ESS1-1) (5-ESS1-2) (5-ESS2-1) (5-ESS2-2) (5-ESS3-1) (3-5-ETS1-1) (3-5-ETS1-2) (3-5-ETS1-3)
- **MP.5** Use appropriate tools strategically. (5-PS1-2) (5-PS1-3) (5-LS1-1) (3-5-ETS1-1) (3-5-ETS1-2) (3-5-ETS1-3)

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- **5.NBT.A.1** Explain patterns in the number of zeroes of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10. (5-PS1-1)
- **5.NBT.A.2** Explain patterns in the number of zeroes of the product when multiplying a number by powers of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10. (5-ESS1-1)
- **5.NF.B.7** Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions. (5-PS1-1)
- **5.MD.A.1** Convert among different-sized standard measurement units within a given measurement system (e.g., convert 5 cm to 0.05 m), and use these conversions in solving multi-step, real-world problems. (5-PS1-2) (5-LS1-1)
- **5.MD.C.3** Recognize volume as an attribute of solid figures and understand concepts of volume measurement. (5-PS1-1)
- **5.MD.C.4** Measure volumes by counting unit cubes, using cubic cm, cubic in, cubic ft, and improvised units. (5-PS1-1)
- **5.G.A.2** Represent real world and mathematical problems by graphing points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation. (5-ESS1-2) (5-ESS2-1)
- **3-5.OA** Operations and Algebraic Thinking (3-5-ETS1-1) (3-5-ETS1-2)