

Cultivating Speed - Grade 5 & 6 Indiana Standards

Grade 5

MATHEMATICS

- PS.4: Model with mathematics
- 5.CA.2 Solve real-world problems involving multiplication and division of whole numbers (e.g., by using equations to represent the problem). In division problems that involve a remainder, explain how the remainder affects the solution to the problem. (E)

SCIENCE

- 3-5-ETS1-2 Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.

Grade 6

MATHEMATICS

- PS.4: Model with mathematics
- 6.NS.4 Solve real-world problems with positive fractions and decimals by using one or two operations. (E)
- 6.RP.2 Understand the concept of a unit rate and use terms related to rate in the context of a ratio relationship.
- 6.RP.4 Solve real-world and other mathematical problems involving rates and ratios using models and strategies such as reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations. (E)
- 6.GM.1 Convert between measurement systems (Customary to metric and metric to Customary) given the conversion factors and use these conversions in solving real-world problems.

SCIENCE

- MS-ETS1-1 Define the criteria and constraints of a design problem with sufficient precision to ensure a successful solution, taking into account relevant scientific principles and potential impacts on people and the natural environment that may limit possible solutions.
- MS-ETS1-2 Evaluate competing design solutions using a systematic process to determine how well they meet the criteria and constraints of the problem.

SOCIAL STUDIES

- 6.H.13 Discuss the benefits and challenges related to the development of a highly technological society.