

GRADE 5	GRADE 6	GRADE 7	GRADE 8
Scientific Method Introduction	Scientific Method Review	Scientific Method Review	H: Matter and Energy
1: Engineering and Technology	J: Sound and Light	K: Introduction to Science and Technology	C: The Human Body
2: Matter	E: The Dynamic Earth	A: Cells and Heredity	I: Motion, Forces, and Energy
3: Energy and Matter in Organisms	B: The Diversity of Living Things	F: Earth's Water and Atmosphere	G: Space Science
4: Energy and Matter in Ecosystems		D: Ecology and the Environment	Middle School Science Review of Topics
5: Systems in Space			
6: Earth's Systems			
7: Earth and Human Activities			

Grade 5: Unit 1 is to help students gain an understanding of the engineering and scientific processes. Unit 2 focuses on physical science. Units 3 and 4 focus on life science. Units 5 and 6 focus on earth and space science. Unit 7 looks at how human activities impact the environment.

Grade 6: Students begin the Science Fusion curriculum with Sound and Light, because in order to understand life science topics like photosynthesis and earth science topics like weather, they need a basic understanding of light, sound, and waves. They continue with The Dynamic Earth, which focuses on topics like Plate Tectonics, which is supported by an understanding of waves they learned in the previous Sound and Light unit. The Diversity of Living Things introduces them to classification of life. Students also learn about the history of life on Earth, which is further supported by their knowledge of geologic history from The Dynamic Earth unit.

Grade 7: Students begin this year with Introduction to Science and Technology, as a way to support the technology curriculum. They continue with Cells and Heredity, where they learn about organelles in cells as well as how cells and organisms pass on traits. Earth's Water and Atmosphere focuses on Weather and the mechanisms that are in place for weather to occur. This builds upon the sixth grade units of The Dynamic Earth and Sound and Light. The final unit Ecology and the Environment builds upon the students' understanding of the Diversity of Living Things to see how organisms interact with each other and how humans can affect the environment.

Grade 8: Students begin the year with Matter and Energy, which is focused in chemistry. They have already learned a basic understanding of atoms and reactions, but this unit dives deeper into why reactions occur. They continue with The Human Body, which builds upon their understanding of Cells and Heredity as well as

Matter and Energy. They are better able to understand chemical reactions that occur in the human body. Motion, Forces, and Energy is a unit that students haven't really seen too much since fifth grade, but still builds upon an understanding of energy from sixth and seventh grade. This incorporates a fair amount of math skills. They finish out the year with Space Science, which is taught after Standardized Testing has occurred.