

SEVENTH GRADE CURRICULUM MAP

Unit 1: Foundations	Unit 2: Weather and Climate	Unit 3: Magnetic Earth	Unit 4: Newton's Laws	Unit 5: Energy Sources	Unit 6: Chemistry	Unit 7: Biology	Unit 8: Reproduction
FIRST SEMESTER					SECOND SEMESTER		
2 weeks	6 weeks	3 weeks	3 weeks	3 weeks	6 weeks	6 weeks	6 weeks
Disciplinary Core Idea:	Disciplinary Core Idea: Earth Science	Disciplinary Core Idea: Earth Science	Disciplinary Core Idea: Physical Science	Disciplinary Core Idea: Physical Science	Disciplinary Core Idea: Physical Science	Disciplinary Core Idea: Life Science	Disciplinary Core Idea: Life Science
	1-Earth's Surface Processes 2-Weather and Climate	1-History of Earth	1-Forces and Motion 2- Energy	1-Forces and Motion 2- Energy	3-Chemical Reactions	1-Structure, Function, and Information Processing	1-Structure, Function, and Growth and Development
	Science and Engineering Practices: 2. Developing and using models 3. Planning and carrying out investigations 4. Analyzing and interpreting data 5. Using mathematics and computational thinking 6. Constructing explanations (for science) and designing solutions (for engineering) 7. Engaging in argument from evidence		Science and Engineering Practices: 1. Asking questions (for science) and defining problems (for engineering) 2. Developing and using models 3. Planning and carrying out investigations 4. Analyzing and interpreting data 5. Using mathematics and computational thinking 6. Constructing explanations (for science) and designing solutions (for engineering) 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information			Science and Engineering Practices: 2. Developing and using models 3. Planning and carrying out investigations 6. Constructing explanations (for science) and designing solutions (for engineering) 7. Engaging in argument from evidence 8. Obtaining, evaluating, and communicating information	
	Crosscutting Concepts: 2. Cause and effect: Mechanism and explanation 3. Scale, proportion, and quantity 4. Systems and system models 5. Energy and matter: Flows, cycles, and conservation 7. Stability and Change		Crosscutting Concepts: 1. Patterns 2. Cause and effect: Mechanism and explanation 5. Energy and matter: Flows, cycles, and conservation 6. Structure and function 7. Stability and change			Crosscutting Concepts: 2. Cause and effect: Mechanism and explanation 4. Systems and system models 6. Structure and function	
	CCSS ELA: WHST.7 W.7.1 W.7.4 SL.7.4 SL.7.1		CCSS ELA: W.7.1 SL.7.4 W.7.8 WHST.7			CCSS ELA: RI.7.8 W.7.8 WHST.7 SL.7.4	
	CCSS Math: MP.3 MP.4 7.RP		CCSS Math: MP.2 MP.3 MP.4 MP.5 MP.6 7.SP.3 7.RP 7.EE			CCSS Math: MP.2 MP.3 MP.4 MP.6 7.SP.1,2,3 7.EE	

The vision for K-12 Science Education is what all students should know in preparation for their individual lives and for their roles as citizens in this technology-rich and scientifically complex world.