Alignment Document
State of Iowa and Aventa Learning Earth Science Credit Recovery

Earth Science Credit Recovery

Strands	Standards	Benchmarks	Unit Name	Course Topic Description
1 Science as Inquiry		**1.1** Identifies questions and concepts that guide scientific investigations.	Introduction to Earth Science	Scientific Method
		1.2 Designs and conducts scientific investigations.		
		1.3 Uses technology and mathematics to improve investigations and communications.		
		1.4 Formulates and revises scientific explanations and models using logic and evidence.	Introduction to Earth Science	Scientific Method
		1.5 Recognizes and analyzes alternative explanations and models.		
		1.6 Communicates and defends a scientific argument.		
		1.7 Understands about scientific inquiry.	Introduction to Earth Science	Scientific Method
2 Earth and Space		**2.1** Understands and applies knowledge of energy in the earth system.	Earth's Materials	Rocks
		2.2 Understands and applies knowledge of Geochemical cycles.		
		2.3 Understands and applies knowledge of the origin and evolution of the earth system.	Geologic Time, Relative Age Dating, and Isotopic Dating (Absolute Age Dating)	Fossils and Rocks
		2.4 Understands and applies knowledge of the origin and evolution of the universe.	Astronomy	The Universe

	A Students can understand and apply skills used in scientific inquiry.	**A.1** Understand and apply the processes and skills of scientific inquiry	Introduction to Earth Science	Scientific Method
		A.2 Analyze and interpret scientific information	Introduction to Earth Science	Scientific Method
	B Students can understand concepts and relationships in biological science.	**B.1** Make inferences and predictions using fundamental biological concepts		
		B.2 Analyze biological investigations		
		B.3 Analyze and evaluate the adequacy and accuracy of biological information		
	C Students can understand concepts and relationships in Earth/space sciences.	**C.1** Make inferences and predictions using fundamental Earth/space concepts	Geologic Time, Relative Age Dating, and Isotopic Dating (Absolute Age Dating)	Geological Time Lab
		C.2 Analyze Earth/space investigations		
		C.3 Analyze and evaluate the adequacy and accuracy of Earth/space information		
	D Student can understand concepts and relationships in physical science.	**D.1** Make inferences and predictions using fundamental physical science concepts		
		D.2 Analyze physical science investigations		
		D.3 Analyze and evaluate the adequacy and accuracy of physical science information		