



# EARTH SCIENCE SCHEDULE

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In this Earth science course, we will explore Earth’s systems and how they interact with one another. We will also examine how human resource use and environmental issues impact the planet.

WEEK 1	4/13/2020	4/14/2020	4/15/2020	4/16/2020	4/17/2020
<b>Video Segment</b>	Earth's Structure	Plate Tectonics Theory	Plate Tectonics	Plate Tectonics Part 2	Volcanoes
<b>SOL</b>	ES. 1, 2, 7	ES. 1, 2, 7	ES. 1, 2, 7	ES. 1, 2, 7	ES. 1, 8, 7
<b>Video Segment</b>	Formation of Igneous Rocks	Common Igneous Rocks		The Formation of Sedimentary Rocks	
<b>SOL</b>	ES. 1,2,4,5	ES. 1,2,4,5		ES. 1,2,5	

WEEK 2	4/20/2020	4/21/2020	4/22/2020	4/23/2020	4/24/2020
<b>Video Segment</b>	Earthquakes	Common Sedimentary Rocks	Common Metamorphic Rock	Types of Weathering	Caves
<b>SOL</b>	ES. 1, 2, 7	ES. 1, 2, 5	ES. 1, 2, 5	ES. 1, 2, 8	ES. 1, 8,
<b>Video Segment</b>		Formation of Metamorphic Rocks	The Rock Cycle	Rates of Weathering	Soils
<b>SOL</b>		ES. 1, 2, 5	ES. 1, 5	ES. 1,2,8	ES. 1, 8

WEEK 3	4/27/2020	4/28/2020	4/29/2020	4/30/2020	5/01/2020
<b>Video Segment</b>	Erosion	Surface Water and the Water Cycle	The Atmosphere and Energy Transfer	Clouds	Factors that Affect Climate
<b>SOL</b>	ES. 1, 2, 8	ES. 1, 8	ES. 1, 2, 11, 12	ES. 1, 2, 12	ES. 1, 2, 11, 12
<b>Video Segment</b>	Deposition	Groundwater	Layers of the Atmosphere	Precipitation	World's Climates
<b>SOL</b>	ES. 1, 2, 8	ES. 1, 8	ES. 1, 5	ES. 1,2,8	ES. 1, 8

WEEK 4	5/04/2020	5/05/2020	5/06/2020	5/07/2020	5/08/2020
<b>Video Segment</b>	Atmospheric Circulation	Measuring Weather	Severe Weather	Climate Change	Ocean Waves
<b>SOL</b>	ES. 1, 2, 11, 12	ES. 1, 2, 12	ES. 1, 2, 12	ES. 1, 2, 11, 12	ES. 1, 2, 10

<b>Video Segment</b>	Air Masses and Fronts	Groundwater		Earth's Ocean and Ocean Formation	Tsunamis
<b>SOL</b>	ES. 1, 2, 11, 12	ES. 1, 12		ES. 1, 2, 10	ES. 1, 10

<b>WEEK 5</b>	<b>5/11/2020</b>	<b>5/12/2020</b>	<b>5/13/2020</b>	<b>5/14/2020</b>	<b>5/15/2020</b>
<b>Video Segment</b>	Ocean Circulation	Dissolved Solids and Salinity	Features of the Ocean Floor	Managing Ocean Erosion	Oceans and Climate Change
<b>SOL</b>	ES. 1, 2, 10	ES. 1, 2, 10	ES. 1, 10	ES. 1, 10	ES. 1, 2, 10, 11

<b>Video Segment</b>	Dissolved Gases	Temperature, Density, and Color	Shorelines	Ocean Pollution and Managing Ocean Resources	Decoding Earth's History
<b>SOL</b>	ES. 1, 2, 10	ES. 10	ES. 1, 10	ES. 1, 2, 10	ES. 1, 2, 9

<b>WEEK 6</b>	<b>5/18/2020</b>	<b>5/19/2020</b>	<b>5/20/2020</b>	<b>5/21/2020</b>	<b>5/22/2020</b>
<b>Video Segment</b>	Relative Dating and Unconformities	Geologic Time	Oil	Coal and Types of Coal	Mineral Resources
<b>SOL</b>	ES. 1, 2, 9	ES. 1, 2, 9		ES. 1, 6	ES. 1, 6

<b>Video Segment</b>	Radiometric Dating	Fossils	Natural Gas	Alternative Energy Resources	Virginia Geology and Resources
<b>SOL</b>	ES. 1, 2, 9	ES. 2, 9	ES. 1, 6	ES. 6	ES. 1, 6, 7

<b>WEEK 7</b>	<b>5/25/2020</b>	<b>5/26/2020</b>	<b>5/27/2020</b>	<b>5/28/2020</b>	<b>5/29/2020</b>
<b>Video Segment</b>	Virginia Watersheds and Rivers	The Five Properties of a Mineral	Identification of Minerals	Uses of Minerals and Ores	Evolution of Stars
<b>SOL</b>	ES. 8, 10	ES. 4	ES. 1, 2, 4	ES. 1, 2, 4	ES. 13

<b>Video Segment</b>	The Chesapeake Bay	Mineral Groupings		Cosmology	The Hertzsprung-Russell Diagram
<b>SOL</b>	ES. 8, 10	ES. 4		ES. 2, 13	ES. 13

<b>Video Segment</b>		Formation of Minerals		Galaxies and the Milky Way	
<b>SOL</b>		ES. 4		ES. 2, 13	

<b>WEEK 8</b>	<b>6/01/2020</b>	<b>6/02/2020</b>	<b>6/03/2020</b>	<b>6/04/2020</b>	<b>6/05/2020</b>
<b>Video Segment</b>	Groups of Stars and Constellations	Telescopes and Other Tools	The Solar Nebula Theory		
<b>SOL</b>	ES. 13	ES. 1, 3	ES. 2, 3, 13	ES. 1, 3	ES. 1, 2, 3

<b>Video Segment</b>	Electromagnetic Spectrum and the Doppler Effect	The History of Astronomy	The Sun	Dwarf Planets and Other Objects in the Solar System	Lunar Phases
<b>SOL</b>	ES. 2, 13	ES. 1, 3, 13	ES. 1, 2, 3, 13	ES. 1, 2, 4	ES. 1, 2, 3

<b>Video Segment</b>			The Sun		
<b>SOL</b>			ES. 1, 2, 3, 13		

<b>WEEK 9</b>	<b>6/08/2020</b>	<b>6/09/2020</b>	<b>6/10/2020</b>	<b>6/11/2020</b>	<b>6/12/2020</b>
<b>Video Segment</b>	Tilt, Rotation, and Revolution	Maps	Determining Latitude and Longitude	Topographic Maps	Implementing the Scientific Method
<b>SOL</b>	ES. 3	ES. 1	ES. 1	ES. 1	ES. 1, 2

<b>Video Segment</b>	Eclipses	Map Projections	Time Zones		Observation and Inferences
<b>SOL</b>	ES. 3	ES. 1	ES. 1		ES. 1, 2

<b>Video Segment</b>		Parts of a Map and Map Scale	Satellite Imagery and GPS		Scientific Theories and Scientific Laws
<b>SOL</b>		ES. 1	ES. 1		ES. 1, 2

<b>WEEK 10</b>	<b>6/15/2020</b>	<b>6/16/2020</b>	<b>6/17/2020</b>	<b>6/18/2020</b>	<b>6/19/2020</b>
<b>Video Segment</b>	Measuring Mass and Volume	Graphs			
<b>SOL</b>	ES. 1, 2	ES. 1, 2			

<b>Video Segment</b>	Calculating Density				
<b>SOL</b>	ES. 1,2				