

Serpents of the Sun

Grades 6-12

Taped program with interactive live component

OHIO Standards

Earth & Space Sciences (unless otherwise marked)

Rating Scale	Grade Level	Benchmark	Indicator
1 (main topic)	11	B	2. Analyze how the regular and predictable motions of Earth, Sun, and Moon explain phenomena on Earth.
2 (covered in detail)	5	A	3. Describe the characteristics of Earth and its orbit about the Sun.
2 (covered in detail)	8	A	1. Describe how objects in the Solar System are in regular and predictable motions that explain such phenomena as days, years, season, eclipses, tides, and Moon cycles.
3 (briefly discussed)	5	A	1. Describe how night and day are caused by the Earth's rotation.

3-5

Benchmark A: Explain the characteristics, cycles, and patterns involving the Earth and it's place in the Solar System.

6-8

Benchmark A: Describe how the positions and motions of the objects in the universe cause predictable and cyclic events.

11-12

Benchmark B: Describe how Earth is made up of a series of interconnected systems, and how a change in one system affects other systems.

MICHIGAN Standards

Standard V.4 Solar System, Galaxy, and Universe (ES)

Rating Scale	S.C.# (Strand)	S.C.# Grade Level	Indicator
1 (main topic)	2	Middle School	2. Describe, compare, and explain the motions of Solar System objects. (Changes in length of day and height of Sun in sky.)
2 (covered in detail)			
3 (briefly discussed)	2	Middle School	3. Describe and explain common observations of the night sky.

Standard component #2: All students will describe and explain how objects in our Solar System move.

Rating Scale	L.O.	Grade Level	Indicator
1 (main topic)	Unit I:B	H.S. Int. Science	Research how different cultures have explained celestial motions and eclipses.
2 (covered in detail)	1	5	Examine the Earth's rotation and revolution.
2 (covered in detail)	1	5	Discuss how the Earth's tilt on its axis and the angle at which the Sun's light strikes the Earth determines seasonal changes.
3 (briefly discussed)	1	5	Investigate and observe constellations, and explore legends associated with them.
3 (briefly discussed)	1	8	Examine the origin, evolution, composition, and relationship of celestial bodies.

Grade 5

Learning Objective 1: Understands the composition and structure of the universe, and the Earth's place in it.

Grade 8

Learning Objective 1: Understands structure and composition of the universe and the Earth's place through a study of space exploration and the universe.

