

Amazing Stargazing

Grades 2-6

Taped program with interactive live component

OHIO Standards

Earth & Space Sciences (unless otherwise marked)

Rating Scale	Grade Level	Benchmark	Indicator
1 (main topic)	2	A	2. Observe and describe how the Sun, Moon, and stars all appear to move slowly across the sky.
1 (main topic)	8	A	4. Describe the effect that asteroids or meteoroids have when moving through space and sometimes entering planetary atmospheres (e.g. meteor - "shooting star").
2 (covered in detail)	2	A	1. Recognize that there are more stars in the night sky than anyone can easily count.
2 (covered in detail)	5	A	2. Explain that the Earth is one of several planets to orbit the Sun, and that the Moon orbits the Earth.
3 (briefly discussed)	2	A	3. Observe and describe how the Moon appears a little different every day, but looks nearly the same again about every four weeks.
3 (briefly discussed)	5	A	1. Describe how night & day are caused by the Earth's rotation.

K-2

Benchmark A: Observe constant and changing patterns of objects in the day and night sky.

3-5

Benchmark A: Explain the characteristics, cycles, and patterns involving the Earth and its 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.

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	Elementary	2. Describe the motion of the Earth around the Sun and the Moon around the Earth.
1 (main topic)	2	Middle School	3. Describe and explain common observations of the night sky.
2 (covered in detail)	1	Elementary	1. Compare and contrast the characteristics of the Sun, Moon, and Earth.

Standard component #1: All Students will compare and contrast our planet and Sun to other planets and star systems.

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

TOLEDO DIOCESE Guidelines

Earth & Space Sciences (unless otherwise marked)

Rating Scale	L.O.	Grade Level	Indicator
1 (main topic)	2	1	Knows basic patterns of the Sun and Moon. (E.g. the Moon appears to change shape over the course of a month, etc.).
1	1	5	Know that the Solar System is composed

(main topic)			of the Sun, planets, Moon, asteroids, comets, and meteors.
2 (covered in detail)	2	1	Knows that the stars are innumerable, evenly dispersed, and of unequal brightness.
2 (covered in detail)	1	5	Investigate and observe constellations, and explore legends associated with them.
3 (briefly discussed)	1	5	Know and investigate the phases of the Moon.

Grade 1

Learning Objective 2: Understands the composition and structure of the universe, and the Earth's place in it.

Grade 5

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