

Our Planet

Grades 3-6

Taped program with interactive live component

OHIO Standards

Earth & Space Sciences (unless otherwise marked)

Rating Scale	Grade Level	Benchmark	Indicator
1 (main topic)	4	D	1. Explain that air surrounds us, takes up space, moves around us as wind, and may be measured using barometric pressure.
1 (main topic)	5	A	3. Describe the characteristics of the Earth and its orbit about the Sun (e.g. the entire planet is surrounded by a thin blanket of air, elliptical orbit, tilted axis, and spherical planet).
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)	2	A	2. Observe and describe how the Sun, Moon, and stars all appear to move slowly across the sky.
2 (covered in detail)	4	D	2. Identify how water exists in the air in different forms (e.g. in clouds, fog, rain, snow, and hail).
2 (covered in detail)	5	A	1. Describe how night and day are caused by the Earth's rotation.
3 (briefly discussed)	2	C	4. Observe and describe that some weather changes occur throughout the day, and some changes occur in a

			repeating seasonal pattern.
3 (briefly discussed)	4	D	3. Investigate how water changes from one state to another (e.g. freezing, melting, condensation, and evaporation).

K-2

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

Benchmark C: Observe, describe, and measure changes in the weather, both long term and short term.

3-5

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

Benchmark D: Analyze weather and changes that occur over a period of time.

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)	2	Middle School	3. Describe and explain common observations of the night sky.
3 (briefly discussed)	(V.2) 1	Elementary	1. Describe how water exists on the Earth in three states.

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

Hydrosphere (EH) V.2

Standard component #1: All students will describe the characteristics of water, and demonstrate where water is found on Earth.

TOLEDO DIOCESE Guidelines

Earth & Space Sciences (unless otherwise marked)

Rating Scale	L.O.	Grade Level	Indicator
1 (main topic)	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.
2 (covered in detail)	1	4	Knows that water exists in the air in different forms, and changes from one form to another through freezing, condensation, and evaporation.
3 (briefly discussed)	1	5	Examine the Earth's rotation and revolution.
3 (briefly discussed)	1	5	Investigate and observe constellations, and explore legends associated with them.

Grade 4

Learning Objective 1: Understands atmospheric processes and the water cycle.

Grade 5

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