

# Navigating With Lewis & Clark

## Grades 6-12

Taped program with interactive live component

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### OHIO Standards

Earth & Space Sciences (unless otherwise marked)

Rating Scale	Grade Level	Benchmark	Indicator
1 (main topic)	8	History	8. Describe and analyze the territorial expansion of the United States including: (b) The Louisiana Purchase and the Lewis and Clark Expedition.
2 (covered in detail)	9	F	8. Use historical examples to explain how new ideas are limited by the context in which they are conceived; are often initially rejected by the scientific establishment; sometimes spring from unexpected findings; and usually grow slowly through contributing factors from many different investigators.
2 (covered in detail)	11	D	15. Use historical examples to explain how new ideas are limited by the context in which they are conceived; are often initially rejected by the scientific establishment; sometimes spring from unexpected findings; and usually grow slowly through contributing factors from many different investigators.
3 (briefly discussed)	5	A	4. Explain that stars are like the Sun, some being smaller and some larger, but so far away they look like points of light.

**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.

**Grade 8: History - Civil War & Reconstruction** 8. Describe and analyze the territorial expansion of the United States including: (a) The Louisiana Purchase and the Lewis & Clark expedition;

**9-10**

**Benchmark F:** Summarize the historical development of scientific theories and ideas, and describe emerging issues in the study of Earth and space sciences.

**11-12**

**Benchmark D:** Summarize the historical development of scientific theories and ideas, and describe emerging issues in the study of Earth and space sciences.

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**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)	4	High School	4. Explain how technology and scientific inquiry have helped us to learn about the universe.

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

**Standard component #4:** All students will explain how we learn about the universe.

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## **TOLEDO DIOCESE Guidelines**

**Earth & Space Sciences (unless otherwise marked)**

<b>Rating Scale</b>	<b>L.O.</b>	<b>Grade Level</b>	<b>Indicator</b>
<b>1</b> <b>(main topic)</b>			
<b>2</b> <b>(covered in detail)</b>	<b>1</b>	<b>5</b>	<b>Investigate and observe constellations, and explore legends associated with them.</b>
<b>3</b> <b>(briefly discussed)</b>	<b>Unit I:A</b>	<b>H.S. Int. Science</b>	<b>Demonstrate the proper use of a compass.</b>

### **Grade 5**

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

#### **Unit I: Earth/Space Science**

##### **A. Earth's Changing Surface - Science as a Process**