# Buckeye Trail Anywhere
# GUIDE FOR EDUCATORS

## Ohio Content Learning Standards Connections




Learn more at **BuckeyeTrail.org**

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| Mathematics | |
|---|---|
| **Kindergarten** | **Operations and Algebraic Thinking**<br>Represent addition and subtraction with objects, fingers, mental images, drawings, sounds such as claps, acting out situations, verbal explanations, expressions, or equations. |
| **Grade 1** | **Measurement and Data**<br>Count to 120, starting at any number less than 120. Extend the counting sequence. |
| **Grade 2** | **Measurement and Data**<br>**2.MD.10** Organize, represent, and interpret data with up to four categories; complete picture graphs. |
| **Grade 3** | **Measurement and Data**<br>**3.MD.3:** Create scaled picture graphs and bar graphs to represent.<br>◆ **Page 10 Enrichment:** Research the five great lakes, and rank them in order of size, by surface area or square miles, from largest to smallest.<br>◇ Students graph their rankings. |
| **Grade 4** | **Measurement and Data**<br>**4.MD.1:** Know relative sizes of measurement units within one system of units. Express a larger measurement unit in terms of a smaller unit.<br>◆ Understanding conversion between laps and miles with BTA.<br>◆ Understanding square miles as a unit.<br>◆ **Page 10 Enrichment:** Research the five great lakes.<br>**4.MD.2:** Solve real-world problems involving measurement, including adding and subtracting intervals of time and metric measurement.<br>◆ Applying conversion in a real-world context. |
| **Grade 5** | **Measurement and Data**<br>**5.MD.1:** Convert like measurement units within a given measurement system.<br>◆ **Page 10 Enrichment:** Research the five great lakes.<br>◇ Students create graphs of lake sizes.<br>◆ Converting BTA laps to miles. |

## Social Studies

### Grades K-8

Use the pages representing the local area or region closest to your school community; the "Trail Section" descriptions and some of the enrichment activities connect with these strands:

**History**
- Historical Thinking.
- Heritage.

**Geography**
- Places and regions.
- Human Systems.

**Economics**
- Economic decision making and skills.
- Markets.

**Government**
- Civic Participation and skills.

## Physical Education

**Buckeye Trail Anywhere activity described on Page 6:** Doing Laps around the gym, track or field to reflect miles on the Buckeye Trail.

**2025 Ohio's Learning Standards for Physical Education Standard 2:**
- Applies knowledge related to movement and fitness concepts.
- Students apply concepts of distance, effort, and fitness tracking.

### Grades K-2

- Demonstrates locomotor skills of walk and run using critical elements.
- Recognizes activities that contribute to fitness.
- Recognizes that physical activity has positive health benefits.

### Grades 3-5

- Performs a sequence of movements.
- Identifies two health benefits of physical activity.
- Justifies a personalized fitness plan based on interests.

### Grades 6-8

- Demonstrates appropriate form in health-related fitness activities.
- Implements principles of exercise (FITT, progression, overload).
- Sets physical activity goals based on individual interests.

## Science

### Grades 6-8

**Minerals, Rock Types, Soil** – Soil is unconsolidated material that contains nutrient matter and weathered rock.

Minerals have specific, quantifiable properties.

Rocks, mineral and soils have common and practical uses.

- Connect with BTA Guide Enrichment on page 9 and link to Geologic guidebook.

**Erosion, deposition, landforms** – A combination of constructive and destructive geologic processes formed Earth's surface.

- Connect with how the rivers systems featured in the BTA Guide Trails sections create valleys and pathways change over time.

## Language Arts

### Grades K-12

**College and Career Readiness Anchor Standards for Writing**

1. Research to build and present knowledge – Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject.
2. Prepare for and participate effectively in a range of conversations and collaborations with diverse partners, building on others' ideas and expressing their own clearly and persuasively.
3. Gather relevant information from multiple print and digital sources, assess the credibility and accuracy of each source, and integrate the information, while avoiding plagiarism.

Various enrichment activities in the BTA Guide offer prompts for group and individual writing reflection activities, adaptable for the grade specific language skills requirements.