



THE OHIO STATE UNIVERSITY

NEWARK

Take the π Measurement Challenge!



**WHEN: Saturday, March 12
1 p.m. to 4 p.m.**

**WHERE: Great Circle Earthworks
455 Hebron Rd, Heath, Ohio**

**WHO: Families and friends who
enjoy outdoors, history, and math!**

The number π is the ratio of circumference to diameter in a circle. Join us at the Great Circle Earthworks for a fun afternoon measuring circles and learning mathematics at this cultural site! The discovery of π was a major achievement for understanding circle geometry; it relates both circumference and area to diameter. Our challenge will be to measure π by measuring the circumference and diameter of the Great Circle and then dividing! The American Indians who built the Great Circle earthworks 2000 years ago understood the same mathematics that we now express with π . The evidence for this is literally on the ground, encoded in common perimeters and areas of ancient earthworks throughout Ohio. We will explore one of these, and describe its relationship to the others.

For More information visit: <http://u.osu.edu/piday>

THE **STEAM**
FACTORY



RESEARCH



INNOVATION



COLLABORATION



DISSEMINATION



EDUCATION

Supported by The Ohio State University at Newark, The Newark Earthworks Center, and The Ohio State STEAM Factory.