



Mount Rushmore
National Memorial

Mount Rushmore Education Program

The following lesson plan was developed as a part of the project to digitally preserve Mount Rushmore. In 2010, the National Park Service collaborated with CyArk—a non-profit organization dedicated to digitally preserving cultural heritage sites around the world through state-of-the-art technology—to laser scan Mount Rushmore to produce the most accurate record of the Mountain to date. In early 2012, the resulting data in the form of 3D models, drawings, and virtual tours, was released to the public via CyArk's Mount Rushmore web portal. To explore the rich web content, including all the multimedia and lesson plans, visit the [Mount Rushmore web portal](http://www.mountrushmore.gov), or go to archive.cyark.org to search for all related content.

As a part of the ongoing partnership between the Mount Rushmore National Memorial and CyArk, an educational workshop was held at the park to create ten lesson plans to help students in K through 12 learn about the monument through math and art concepts. The education workshop utilized the expertise of local High School math and art teachers, as well as the Mount Rushmore Interpretation and Education staff, and a technical team from CyArk.

For more information on the digital preservation project, the educational workshop, or this particular lesson plan, please contact the Interpretation and Education team at Mount Rushmore.

Title of Program:

Math at Mount Rushmore

Grade level: 3-5 **Subject area:** Geometry, Algebra, Measurement and Data

Duration: About five 50-minute sessions

Content Standard: Geometry, Algebra, Measurement Data for 3rd through 5th grades
-Standards: Common Core Curriculum Standards (<http://www.corestandards.org/the-standards/mathematics>)

Lesson objectives: “The learner will be able to . . .

Understand that more complex shapes can be partitioned into smaller, simpler, geometric shapes. Learner will be able to understand the concept of grids and symmetry, and be able to use them to make basic or more advanced area calculations.