



Course Follow-up Activities

Measurement and Geometry: Building Conceptual Understanding in Young Children (K-3)

Activity 1 Plan a lesson

Select a mathematics lesson you have used or plan to use. You may select one from your own resources or go to a website such as <http://www.nctm.org/elementary/archive.asp> to select an appropriate lesson. Outline your plans for implementing the lesson and include the following:

- Connections to prior lessons and real world contexts
- Activities to ensure success for all students
- Your state's Mathematics standards and benchmarks that address the lesson content

Activity 2 Assess student progress

Develop a timeline for implementing a range of student assessments. Reflect upon the planned assessments and answer the following questions:

- How will I know when my students know what I want them to know?
- What will constitute acceptable evidence?
- How will I balance the assessments I use to include concrete, semi-concrete and abstract tasks?

Activity 3 Identify and Share Resources

At the websites identified below, search for resources that will enhance your teaching of mathematics. Explore the resources and list at least three with a description of how each will assist you in teaching. Develop a handout describing these resources and share it with your colleagues.

The National Council for Teachers of Mathematics

<http://www.nctm.org/>

Internet Content for the Classroom with lesson plans, student interactive content, downloadable worksheets, links to panel-reviewed Web sites and additional resources created by the nation's leading education organizations

<http://www.marcopolo-education.org/>

The Shodor Education Foundation's goal is to advance science and math education through the use of computational science, modeling and technology.

<http://www.shodor.org/interactivate/>

The Gateway to Educational Materials

<http://www.thegateway.org/>

The Smithsonian Website

<http://www.smithsonianeducation.org/>

Mcrel's lesson plan bank

<http://www.mcrel.org/lesson-plans/>