
NCSM Great Tasks for Mathematics

Source: NCSM (mathedleadership.org)

Tools: Curriculum/Teaching and Learning

DESCRIPTION

NCSM Great tasks are a collection of tasks to support implementation of the CCSS. Many of these tasks are developed from existing sources. Each task includes:

- Teacher Notes that provide an overview of the task, the Common Core State Standards Content and Practice standards that the task requires
- Activity Launch that addresses key prerequisite understandings and assesses student readiness for the task
- Core Task with which students are expected, individually and collaboratively, to wrestle
- Extension Activities

STRATEGIES FOR IMPLEMENTATION

When working on building content knowledge, choose tasks that model the thinking and the student's mathematical practice that you wish to observe in a classroom. These tasks can be used as coaching resources with a teacher or a team of teachers. Have the teacher(s) complete the task individually and then discuss the implications for instruction. After they have given the task to their students, ask them to bring in student work and answer the following questions.

- What were students thinking?
- What strategies were used? Were they effective strategies?
- What were the errors or students' misunderstandings?
- What are implications for further instruction?
- What specific learning would you provide to address the misconceptions?

<http://www.mathedleadership.org/ccss/greataasks.html>