



**Extending and Enhancing the
National Library of Virtual Manipulatives (eNLVM) - <http://enlvm.usu.edu>**

A National Science Foundation project to develop interactive online lessons for 3-12 mathematics.

Project Highlights

- Materials are and always will be freely available online.
- Lessons utilize interactive math-rich software that students find motivating.
- Lessons target identified national and state standards.
- Materials include lesson plans for teachers.
- Materials can be used in group instruction or with students working on computers.
- Lessons are field tested in classrooms and revised based on gathered data.
- Online student activities, delivery system, and teacher tools are easy to use.
- Lessons utilize interactive applets from the National Library of Virtual Manipulatives (<http://nlvm.usu.edu>).
- Teacher tools allow teachers to easily view student performance.
- Teachers can easily adapt materials as needed.
- Teachers can include and contextualize any resource on the web.
- Developers will work with teachers to tailor materials to their needs.

Field Tests

Any teacher may use eNLVM materials, with or without communicating with eNLVM developers. However, we are looking for teachers who would work with us to conduct field tests to gather data to evaluate and improve eNLVM materials. This would involve:

1. Choosing an eModule to field test.
2. Completing the background questionnaire provided with the eModule.
3. Arranging for observers if possible.
4. Using the eModule with in the classroom.
5. Asking students to complete the post-lesson student questionnaire.
6. Completing the post-lesson teacher questionnaire.
7. Collecting and uploading observation notes.

In order for eNLVM researchers to use field test data, we need permission from school districts and principals. In addition, parental consent may be required by district or school policies. USU IRB approved letters for these purposes can be downloaded from <http://enlvm.usu.edu/>. If you are interested in participating or have any questions, please contact Joel Duffin, jduffin@math.usu.edu, (435) 797-0268.