

## Online Resources for Teaching Mathematics

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### Noyce Community, Mathematics Education Community and related links

Background:

- <http://teachingcommons.cdl.edu/noyce/index.html>
  - Noyce Voices – on right-hand side of page, links to sign up for or sign in to Noyce Voices
  - Sample conversation: Lesson Planning, started by Jaime Arvizu. Notice that there are several sample lesson plans there, in particular some that use backwards planning, and that there are nice constructive comments on the plans. Should be very helpful in writing your own lesson plans and obtaining feedback on them 😊
- <http://teachingcommons.cdl.edu/mec/>
- Click on tab: Teacher Resources

### View some of the online materials/activities available through MEC

In most of the sites you will be provided tips and strategies for teaching the concept and a suggested flow of activities. There are two types of material, in general:

- 1) Online applets that can be used by you to demonstrate or students to discover/study the concept; and
  - 2) Student worksheets to be printed out with or without additional activities to go along with them.
- In Resources for Grades 6 and 7:
    - Algebra and Functions Resources (second bullet)
      - #3: Pan Balance – Expressions
      - Note components of table.
      - Click on URL in second row of table
      - Activity
      - In first paragraph on the page, scaffolding activity: Pan Balance – Shapes
  - In Algebra 1 Resources
    - #5: Egg Launch Contest. Note that this can be used in two ways: if you wish to use this as a “problem”, you might give your students only the first page of the activity. If you wish to use it as a series of exercises, you could give them both pages.

### View sample lesson plans

- There are two “types” of lesson plans on MEC:
  - Generic lesson plans: In Algebra 1 Resources, 2. Talk or Text.
  - Lesson plans created, implemented and shared by Noyce Scholars:

- In Algebra 1 Resources, 2. Talk or Text.
- [See other teachers' lesson plans on Merlot.](#) (Click "Learning Exercises" to the right under "About this Material.")
- [A learning exercise for Talk or Text](#)
- Finally, copy and paste the url under "Text of Learning Exercise"  
<http://contentbuilder.merlot.org/toolkit/users/parkerm3/talkortext>

Learn how to share materials and lesson plans with others online

- Go to: [www.merlot.org](http://www.merlot.org)
- You will need to create a free account on Merlot.
- Once you've created an account, sign in and click on "Access the Content Builder" on the menu on your upper right hand corner.
- Click on "New Snapshot" and choose a template for your plan. Click on "Select Template" on the lower right hand corner.
- Fill out and modify the template as you wish!

Assignment:

An opportunity for a stipend will be provided for full participation which includes sharing some of your own materials 😊