Science on a Shoestring

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Inspire a Passion for Learning Science, Technology, Engineering, and Math
RAFT activities available online

http://www.raft.net/products-and-services
RAFT Kit Activities

• Cost effective kits and idea sheets which includes a materials list, step-by-step assembly instructions, things to do and notice, the concept behind the activity, and pointers to other resources.
Create Your Own Kits

- Create own kits from materials you have at home, ideas you found on Pinterest, Teachers for Teachers, or begged, borrowed, and shared with others.
Process for Today

• Team Process
  – There are 6 tables with ideas, you will only get to work together and complete 4 activities
  – When you get to the table sit down and take out the activity in the box
  – You will have 6 minutes to build the project
  – You will have 4 minutes to discuss how you could use this activity in your classroom and how you might differentiate to accommodate different students’ needs or age levels.
  – After 10 minutes you will be instructed to go to the next activity in box 2….then box 3….then box 4.

Individual Exploration
  – 5-10 minutes to independently look at other kit ideas displayed
  – Select (2) other sample kits that you would like to take with you.
Meet the Pro’s

- Human Reaction Time
  http://www.raftbayarea.org/ideas/Human%20Reaction%20Time.pdf

- Buzz Off

- Above and Below Zero
  http://www.raftbayarea.org/ideas/Above%20and%20Below%20Zero%20Game.pdf

- Tongue Depressor Harmonica
  http://www.raftbayarea.org/ideas/Tongue%20Depressor%20Harmonica.pdf

- Black & White Makes Color
How do I infuse these type of activities

STEM Days – Infuse activities that are related to the language arts content you are reading about.

Family STEM Night/Carnival – Involve parents and families exploring a variety of STEM-related activities.

Meet the Pro’s – Speed Dating format to share quick activities with students, teachers, parents, and patrons.

Use specific activities to introduce, explain, model, that enriches your instruction while increasing student engagement and learning.
Questions or Comments
THANK YOU!

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