PAN Goals/Lesson Plan/Unit/Modeling/Poster/ Lesson or Idea Sharing Questions

PAN Goals:

Teachers

* + 1. Ongoing professional development
    2. Exposure to a world-class research environment
    3. Provide tools and experience for porting information back to classroom

Lesson Plan/Unit Plan/Discussion/Modeling for Development/Deployment/Failure

Create a lesson plan that you can use in your class(es) (e.g., Chemistry, Physics, Physical Science, or Grade Level Science).

(See JINA’s website for past Lesson Plans: <http://www.jinaweb.org/html/gallery_lessons.html>)

If you are new to teaching and/or want to see a template for a Unit Plan (see MYP Unit Planner under General Links of Interest: <https://extwiki.nscl.msu.edu/PAN/doku.php?id=pan_2014_home>) Note: MYP stands for Middle Year Program for International Baccalaureate or IB schools)

What you may want to consider:

• Objective for lesson

• State Standards/Next Generation Science Standards

(<http://www.nextgenscience.org/search-standards>)

Use either one or more:

•Activities (Marble Nuclei, Isotope Bingo, CNO Cycle Card Game)

• Lab(s): MONA-LISA Experiments

• Lectures (Nuclear Experiments, Radiation Detectors, Nuclear Astrophysics, Astronomy, and Cosmic Rays)

• Discussion based upon animations (<http://meetings.nscl.msu.edu/pan/Walk%20through%20the%20CCF.avi> )/Interactive Chart of Nuclides (<http://www.nndc.bnl.gov/chart/>)

Poster: Template/Tips and Considerations

Posters can be organized by experiments, days, or content.

Template: <https://extwiki.nscl.msu.edu/PAN/doku.php?id=pan_2014_home> under Supplementary

Tips: <http://www.nscl.msu.edu/files/Poster%20tips.pdf> under Supplementary

Lesson Plan/Ideas Sharing Questions:

You should have these questions filled out by the end of the Lesson/Idea Sharing session on Friday. Use 500 words or less for the following questions: (Please respond to these questions and be ready to share and discuss on Friday)

1. Three specific ways I will implement the new knowledge or skills gained in my current position:
2. Three specific ways I will incorporate the new knowledge or skills gained into conversations with my colleagues:
3. Additional resources or support I need to incorporate the new knowledge or skills into collegial conversations and/or improve my work in my current position: