**PS–21 Institute Days 2014- 2015:
*Improving Teacher Quality and Mastery of Content***

***Priority Concept Survey***

***Professional development needs can take many forms – enhance your background knowledge, understand student’s prior knowledge for a concept, enhance resources and strategies in teaching a difficult concept to your students, need to change and upgrade your instructional approach to reach and motivate more students, etc.***

***Please indicate your level of need for professional development with the following scheduled PS-21 physical science concepts:***

1= High; 2= Medium; 3= Low

***Below each item indicate your specific need concerning this item.***

1. \_\_\_\_\_\_ Motion and Energy
2. \_\_\_\_\_\_Energy and energy transformation
3. \_\_\_\_\_\_ Properties of and light
4. \_\_\_\_\_\_ Kinetic theory, states of matter, phase change, solubility, chemical reactions
5. \_\_\_\_\_\_ Magnetism –creating fields by induction and currents, and magnets
6. \_\_\_\_\_\_ Chemical reactions
7. \_\_\_\_\_\_ Electricity, DC circuits, bulbs, LEDs, and light sensors
8. \_\_\_\_\_\_ Solutions and solubility
9. \_\_\_\_\_\_ Relevance of the Common Core and Next Generation Science Standards in teaching secondary physical science
10. \_\_\_\_\_\_ Using the Common Core and Next Generation Science Standards in teaching secondary physical science
11. \_\_\_\_\_\_ effective strategies for a teaching specific science concepts introduced
12. \_\_\_\_\_\_ using a general inquiry teaching strategy for teaching science concepts that can motivate students and creates meaningful learning
13. \_\_\_\_\_\_ data collection and data simulation technology for students
14. \_\_\_\_\_\_ Modeling events to collect data and understanding and relating variables
15. \_\_\_\_\_\_ Using social media and learning Physical Science
16. \_\_\_\_\_\_ Using Apps and learning Physical Science

**Please add additional physical science concepts below that you have specific need for additional enhancement: See ACOS or NGSS areas.**

1. **\_\_\_\_\_\_**
2. **\_\_\_\_\_\_**
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15. **\_\_\_\_\_\_**

**Etc.**