QuarkNet 2012-13

Teacher Phone Interview Protocol

*Reminder to interviewees: This will take only a few minutes of your time, and responses are kept anonymous. The information we gather is provided to QuarkNet Staff to help them improve the program, and to funding agencies.*

Date:

Interviewer Name:

Teacher Name:

Center:

1. **What course(s), grade(s) and level(s) do you teach? Please indicate if the courses are General, Conceptual, Honors, AP, Regents. Check all that apply.**

**Course Grade Level**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **7-8** | **9** | **10** | **11** | **12** | **General** | **Conceptual** | **AP** | **Honors** | **Regents** |
| **Physics** |  |  |  |  |  |  |  |  |  |  |
| **Chemistry** |  |  |  |  |  |  |  |  |  |  |
| **Biology** |  |  |  |  |  |  |  |  |  |  |
| **Mathematics** |  |  |  |  |  |  |  |  |  |  |
| **Research** |  |  |  |  |  |  |  |  |  |  |
| **Other science** |  |  |  |  |  |  |  |  |  |  |
| **Non-science** |  |  |  |  |  |  |  |  |  |  |

1. **How many years have you been involved in QuarkNet?**
2. **a. In the past two years what workshops, including summer institutes or get-togethers during the school year, have you participated in at your QuarkNet Center?**

**b. What type of activity was provided; what happened at the workshop(s) /gathering(s)?**

**c. What types of direct connections for how to use this in your classroom were introduced at the workshop(s)?**

1. **Which QuarkNet activities have you participated in at the national level?**

**If they need information about national programs visit:** [**http://quarknet.fnal.gov/**](http://quarknet.fnal.gov/)

\_\_\_\_ a. Masterclass

\_\_\_\_ b. Boot Camp

\_\_\_\_ c. Cosmic Ray e-lab

\_\_\_\_ d. CMS e-lab

\_\_\_\_ e. LIGO e-lab

\_\_\_\_ f. Teaching & Learning Fellows

\_\_\_\_ g. LHC Fellows

\_\_\_\_ h. Other: which one(s)

1. **What are you implementing in the classroom and how often?**

**Also, when asking this question, consider:** (i.e. deep understanding by students of major physics concepts or principles, development of skills and "scientific habits of mind”; a scientific inquiry instructional approach that includes student investigation, discovery and application, using particle physics examples when discussing physics principles such as conservation of energy.)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Topics** | **1-2 lessons** | **3-5 lessons** | **1-2 weeks** | **Long-term Projects** |
| **e-lab** |  |  |  |  |
| **Masterclass** |  |  |  |  |
| **Particle Adventure** |  |  |  |  |
| **Standard Model** |  |  |  |  |
| **“Sprinkling” Examples (especially conservation momentum & energy)** |  |  |  |  |
| **Research with a Detector** |  |  |  |  |
| **Other:** |  |  |  |  |

1. **In what ways has your participation in QuarkNet events been helpful to your implementing QuarkNet (using resources, sprinkling HEP topics, using a Cosmic Ray Detector, etc.) in the classroom?**
2. **Do you see an effect on students from using QuarkNet activities and topics? (do they have a greater interest in science/physics/research, change in goals)**
3. **Since Participation in QuarkNet, have you:**

**a. been involved in giving workshops to other teachers, and what was the topic?**

**b. given a presentation and where?**

**c. attended meetings of professional organizations? (national, local)?**

**d. been involved in leadership at the school or district level (curriculum committee, technology committee, department chair, teacher liaison, etc.), and in what ways?**

1. **a. Do participants at your center meet regularly?**

**b. How often?**

**c. What kind of meetings?**

1. **Is there a learning community?**

**(i.e., do you and other teachers work together to improve teaching and learning of science at your schools and/or conduct outreach to others)?**

1. **Who is in a leadership role at your center? (state the leader’s name and role, e.g. mentor or teacher)**
2. **Explain the roles (what tasks related to the QuarkNet center and institute) and what your interactions are with each of the following:**
3. **Who is the Mentor/Faculty/Scientist/Researcher, what are their tasks and how do you interact?**
4. **Who is the Teacher Leader, what are their tasks and how do you interact?**
5. **Who is the QuarkNet Staff Teacher assigned to your center, what are their tasks and how do you interact?**

**Also consider the following when asking this question:** (i.e. Staff provides specific support such as set up detectors, communication with teachers, attendance at institutes/events).

1. **Is there other feedback you would like us to give to QuarkNet that might help improve the experience in the future?**