

American Physical Society (APS) Public Engagement

23rd IPPOG Collaboration Meeting
May 11, 2022



Second
Program-
Manager-
starting in June!



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PhysicsQuest

Science Kits for Middle School Classrooms

Over 10 years!!!

4 hands-on activities/kit around physics topics

Goals

- Provide middle school (grade 6-8) teachers with resources to enrich their science curriculum
- Expose students to hands-on and engaging activities that show physics is fun, exciting career paths, and it is for everyone

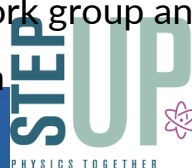
New Features:

- New model of partnerships with members to develop exclusive content – 2021 QuarksInteractive & Sophia Economou and Edwin Barnes @ Virginia Tech
- Teacher workshops on World Quantum Day, April 14th

New Spins!!!

- Virtual career experience in Quantum Industry for high school & middle school students:
 - In partnerships with Q12/Q2Work group and APS Careers
 - Coming soon collaborations with

**2021 activities
Available Here!!!**



Proposal for IPPOG members:

1. Partner with us to create PhysicsQuest activities focused on particle physics!

Audience: middle school classrooms (grades 6-8)

Activities need to involve simple, low-cost materials, or they can be completely digital

2. Run a Masterclass on the Higgs discovery for our PhysicsQuest teachers

Audience: middle school science teachers

Timing: 1.5-2 hour Masterclass. Offer during the summer or early fall.

Interested? Let us know→



Joint Network for Informal Physics Education and Research (JNIPER)

Goals:

- Create a supportive community to connect informal physics education (i.e. public engagement) researchers and practitioners
- Facilitate research-practice partnerships to advance knowledge of informal physics education
- Support adoption of culturally competent, equity-oriented, and research-based practices

Will include

- **Conferences** to build community, share resources, and discuss open research questions in informal physics education
- **Learning community cohorts** focused on best-practices for implementation and assessment of informal physics programs
- **Online platform** for resource sharing and mentoring



This is in development: we need your feedback →

Contact us!

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Tell us what
opportunities
you are
interested in:

