

## Noyce Afterschool STEM Systems Building Grant: Professional Development STEM Levels

In our first year of the Noyce STEM grant, we developed new STEM trainings that are organized by **STEM Levels**. Once the STEM Level has been determined, those in leadership can select an appropriate STEM training.

### EXPLORATORY LEVEL

- Ask, Imagine and Create Afterschool
- Science on a Shoestring - REVISED!
- Tinkering 101
- Cooking Up Science
- Crazy 8's
- Project Learning Tree - Six Training Modules
- The Private Eye
- VerMONEY



### FOUNDATION LEVEL

- Webinar: PEAR – Intro to Common Instrument (Youth)
- Inquiry 101
- Engineering Adventures - Getting Started
- Engineering Adventures (3 - 5 grade) - Unit Options
- Engineering Everywhere (6 - 8 grade) - Unit Options
- STEM: Winter Science - Patterns, Structure and Function
- STEMify Your Existing Programs
- Breakthroughs and Blunders: Building "Transferrable Skills"



### IMPROVEMENT LEVEL

- Webinar: PEAR – Intro to Dimensions of Success (Staff )
- Environmental Literacy in Action! (4+ hrs)
- Tinkering for ALL Educators (4+ hrs)
- Solar FUNdamentals (Vermont Energy Education Program)
- Wind FUNdamentals (Vermont Energy Education Program)
- Coaching for Quality STEM Programs
- STEM Misconceptions: What DO Kids Know?

