### May 10 Applied Learning Student Showcase

**ELIGIBLE PROJECTS**

#### Project Lead The Way

**Launch (5th grade only)**
- The FINAL project of the 5th grade modules:
  - 5: Robotics & Automation
  - 5: Infection Detection
  - 5: Matter: Prop & Reactions
  - 5: Patterns of the Universe
  - 5: Water Filter

**Gateway**
- **AC**: Build a Body
- **AC**: Great App Challenge
- **AR**: Helping Hand
- **AR**: Create & Automate
- **AR**: Wind Turbine
- **AR**: Assembly Line
- **CSIM**: Safe
- **CSIM**: User Interactions
- **DM**: Therapeutic Toy
- **MD**: Outbreak

**HS Biomedical Science**
- **PBS**: Mobile Medical
- **PBS**: Preventative Med Design
- **HBS***: Burn Models
- **HBS***: Toxic Relationships
- **HBS***: Expedition
- **MI**: Prosthetics
- **MI**: Tiny Treatment
- **BI**: Any capstone project

#### HS Computer Science
- **CSE**: Creative Expressions
- **CY**: Save the Day
- **CY**: Create your Own Cipher
- **CSP**: Performance Task
- **CSA**: Problem 2

#### HS Engineering
- **IED**: Automata
- **IED**: Rev Engineering
- **POE***: Compound Machine
- **POE***: Machine Control
- **POE***: Sustainability
- **POE***: Fran's Farm
- **CEA**: Affordable Housing
- **CIM**: Automated Vehicle
- **EDD**: Any capstone project

#### OpenSciEd

**6th-8th grade**
- Light & Matter
- Sound
- Forces at a Distance
- Earth & Space
- Plate Tectonics & Rock Cycling
- Cells & Systems

#### PBLWorks

**5th-12th grade**
Projects with strong evidence of Gold Standard Design Elements from all disciplines welcomed.

#### ST Math

**5th Grade**
Present the One8 math game extension project. Learn more:
[One8AppliedLearningHub.org/mathgame](http://One8AppliedLearningHub.org/mathgame)

See reverse for details on WHAT student work to bring.
Student Presentations – What work to include

Projects should be complete and solutions developed in teams (i.e. no individual projects) and include both a final prototype as well as documentation of how students arrived at their solution. More concretely:

- **PLTW**: problem statement/design brief, constraints, sketches, decision matrix, testing data, evidence of modifications, physical prototype
- **OSE**: initial consensus model, ending consensus model, investigation design and data that informed the consensus model, and any end-of-unit engineering solutions (e.g., thermal cups, human body system models, protective cases, light box models, re-designed speakers)
- **PBLWorks**: Evidence of student reflections, documentation of student feedback and revision, final product/presentation, project rubrics, pictures/videos from other avenues where students presented their public product (if it was presented before)
- **ST Math**: A prototype of their game that they can play with industry pros, and a poster that highlights their thinking & iterations. Industry pros love seeing the process!

*Example of student tri-fold posters + prototypes from previous showcase events*