May 10 Applied Learning Student Showcase

ELIGIBLE PROJECTS

Project Lead The Way

*Legacy +'23 Revision

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

Don't see the project you were thinking of bringing?

Get in touch with the team and we will figure it out!
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OpenSciEd

6th-8th grade

- Light & Matter
- Sound
- Forces at a Distance
- Earth & Space
- Plate Tectonics & Rock Cycling
- Cells & Systems
- Contact Forces
- Thermal Energy
- Photosynthesis
- Ecosystem Dynamics & Biodiversity
- Earth's Resources & Human Impact
- Natural Hazards
- Bath Bombs
- MREs
- M'Kenna
- Genetics
- Natural Selection
- Weather

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

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 are 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