

Please join us for the...



An end of year showcase for **ST Math, Project Lead The Way, OpenSciEd, and PBLWorks** schools in MA for students (grades 5-12) to share their applied learning projects with industry professionals

Friday, May 10, 2024 | 8:30 to 12:30

The TRACK

91 Guest Street • Boston, MA • 02135

Event overview and registration details for educators

Key dates and details

- Registration opens: March 12 | Deadline: April 3 | Team info: April 26
- Each *program* may bring:
 - PLTW Launch and ST Math (5th grade only) may **each bring 2 teams**
 - OSE, PLTW Gateway, PLTW CS, PLTW Eng, PLTW BioMed, and PBLWorks may **each bring 3 teams** (e.g., if your school is bringing OSE and PLTW Gateway, you may bring 6 teams total - 3 OSE and 3 Gateway)
 - PLTW HS programs can bring unlimited number of capstone (EDD & BI & Common Capstone) teams

www.one8ALHub.org/ALShowcase to learn more

See reverse for Educator FAQ - projects, registration, etc.

Educator FAQ

We are so excited to see your student work and are here to help. Questions? Email Julia (jkoistro@one8.org)

When and where is the showcase? The showcase is Friday, May 10, 2024 from 8:30am to 12:30pm at The TRACK. The showcase portion of the event will begin with opening remarks at 9:15am. School registration will open at 8:30am and schools are encouraged to arrive no later than 9:00am in order to have time to find their tables and set up their projects.

I am new, what exactly does a “showcase” entail? One8’s Applied Learning Student Showcase is an opportunity for students to present their project work to an authentic audience. Student teams will each have a table to present their project and 500+ industry professionals will circulate and talk with student groups, offering them verbal and written feedback. In addition to the showcase portion of the event, we will also have a lunch and an awards ceremony.

Are there SPECIFIC projects we should be bringing? Especially if I am an OSE or PLTW teacher? Yes there are specific projects to bring. Our judges will be able to provide higher quality feedback and better engage with student teams if we are able to prepare them for specific projects. See recommended and possible projects at: one8ALHub.org/ALshowcase

- **ST Math:** students should bring their One8 math game extension. Questions? Email Julia (jkoistro@one8.org)
- **PLTW:** recommended project list can be viewed at the website above and at a high level it is mostly the major projects of courses (e.g., DM Therapeutic Toy, IED Reverse Engineering, PBS Preventative Medicine Design, CSE Creative Expressions).
- **OSE:** class consensus model and unit-specific engineering solutions for any 6th, 7th, or 8th grade unit.
- **PBLWorks:** Projects that have strong evidence of Gold Standard Design Elements from all disciplines are welcomed!

What work product should my students share? Students are invited to share a project from their PLTW, OpenSciEd, and/or PBLWorks courses. Projects should be complete and solutions developed in teams (i.e. no individual projects). In order to best prepare our industry volunteers, we will prep them with the most common PLTW & OSE projects and will be briefed on the PLTW/OSE rubrics and common tools. More concretely, this means judges will be expecting to see:

- **ST Math:** A prototype of their One8 math game extension project that they can play with industry pros, and a poster that highlights their thinking & iterations. Industry pros love seeing the process!
- **PLTW:** problem statement, constraints, sketches, decision matrix, testing data, modifications, physical prototype
- **OSE:** initial consensus model, ending consensus model, investigation design and data that informed the consensus model, and end-of-unit engineering solutions (e.g., thermal cups, human body system models, 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)

Most often schools find it easiest to display the various project elements on a tri-fold presentation board. Students have also used multimedia presentations (on fully-charged chromebooks, tablets, or computers) and have brought lab notebooks. Check out pictures from previous events on our website for ideas (one8ALHub.org/ALshowcase). Students should be prepared to talk about their work, the consensus model creation process, and how they came to their final design.

Why unlimited capstone projects for high school PLTW programs? You read it correctly. High schools with the PLTW capstone courses (Engineering Design and Development (EDD), Biomedical Innovation (BI) or the new Common Capstone) are invited -- make that *encouraged* -- to bring as many capstone projects as they wish. The culminating project in the capstone courses is such a powerful learning experience for students that we want to provide an authentic audience for all of those students who choose to take on a capstone. Plus, Capstone students will be freed up for part of the showcase time to visit and provide feedback to 5th grade and middle school students, providing inspiration for younger students in attendance.

My school/ program gets to bring two or three teams, how do we select?

Great question. We know this can be tricky for schools. We want to include as many schools and programs and, with nearly 200,000 students utilizing these high quality programs across the state, we cannot invite everyone. One educator positions the showcase to her students as the “championships” and as a school they conduct an internal selection process and then all work to support the finalist teams that attend. Many schools use this approach and select teams in a variety of ways: in-school showcase, classroom review/peer feedback lesson, hallway display with community voting, educator/community selection panel.

My leadership team is all in, but we are struggling to figure out transportation, what should we do?

We recognize that transportation is a significant hurdle. Ideas from other educators: ask families to help (they are welcome to attend the showcase), use the commuter rail/MBTA (the Boston Landing stop is nearby), and utilize passenger vans (there are nearby garages with a max height of 8 ft). See more details [here](#). While we do not offer funding for transportation, we are supporting a limited number of regional transportation groups that allow multiple schools/districts to attend together. Contact Heather at hhaines@one8.org for details.

How many chaperones should attend? Please bring one chaperone *per program*. E.g., If you are bringing OSE and PLTW Gateway teams, please bring at least 2 chaperones: 1 of whom will remain with OSE students and 1 of whom will remain with Gateway students. The showcase floor will be set up by program, so that teams from different schools can see similar work from their peers. As a result, schools that bring multiple programs may have teams in different locations.

Will students have time to visit work from other programs? Yes, teams will be freed up for at least 20 minutes to view work from other programs. Capstone students will even be assigned a few younger teams to visit and provide feedback.

What food will be provided? A light breakfast will be served upon arrival. A boxed lunch will be served after the showcase before the awards ceremony.

When can I register? Registration will open March 12th and the deadline for registration is April 3rd. *Early registration will be available to those who participate in Student Industry Connects. See more information about Student Industry Connects at: www.one8ALHub.org/SIC*