VIRTUAL
SUBMISSION GUIDELINES

*We are excited to celebrate the work of students from 50+ schools at our in-person Applied Learning Showcase on May 19, 2023. For those unable to make it to Boston, we are **extending the opportunity to get industry feedback from our volunteers through a submission of a <u>short student video</u>**.*

Video Submission Guidelines

Students should prepare a short video (5 minutes max) for industry professionals review.

In this video, students should:

1. **Introduce themselves**! (Name, grade, school, what course they are in)
2. **Share the problem or question** that started them on this learning journey <u>in their own words </u>(~1 min)
   - <u>PLTW </u>- the problem statement **|** <u>PBLWorks</u> - driving question **|** <u>OSE</u> - the anchoring phenomenon
3. Share how they **solved the problem** (~1-2 mins)
   - <u>PLTW </u>- artifact (e.g., prototype, lab) **|** <u>PBLWorks</u> - process and design **|** <u>OSE </u>- class consensus model and an end-of-unit design, if applicable.
4. Describe the **design iteration, deep investigation, failure and modification**, or feedback from other past reviewers (classmates, teachers, industry) that helped them improve their project or thinking, including investigations that students conducted or prototypes they made (~1 min)
5. **Next steps, future goals, or questions** they have for industry professionals. We encourage you to include these so students can get feedback on what comes next. (~1 min)

Tips for making a great video:

- Record video in a place **free from background noise** so industry professionals can hear students clearly.
- Consider having the **camera on a tripod/stationary surface** to ensure speakers/project remain visible.
- Make sure **any visual aids (e.g., artifacts) can be clearly seen**. Industry professionals may be reviewing videos on their phones at the in-person Showcase and may not be able to see printed materials students are referencing. Consider including close ups of visual aids (e.g., trifolds) or asking students to record a Zoom session while screen-sharing their work, if age appropriate.
- Record in **landscape** (i.e. horizontally and not vertically)
- Make sure the room is **bright**!

Submission Requirements

Video submissions should show complete projects & 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, the submission should include information such as:

- **PLTW:** problem statement/design brief, constraints, sketches, decision matrix, testing data, evidence of modifications, physical prototype
- **OSE**: 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, 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)

Eligible Projects by Program

Project Lead The Way

Launch (*5th grade only*)	Gateway	HS Biomedical Science
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	**AC:** Build a Body **AC:** Great App Challenge **AR:** Pull Toy **AR:**Auto thru Programming **AR:** Wind Turbine **AR:** Assembly Line **CSIM:** Safe **CSIM:** User Interactions **DM:** Therapeutic Toy **MD:** Outbreak	**PBS:** Mobile Medical **PBS:** Preventative Med Design **HBS:** Burn Models **MI**: Prosthetics **MI**: Tiny Treatment **BI** : Any capstone project

HS Computer Science	HS Engineering	
CSE: Creative Expressions **CY:** Save the Day **CY:** Create your Own Cipher **CSP:** Command Line GUI **CSA:** Problem 2	**IED:** Automata **IED:** Rev Engineering **POE:** Compound Machine **POE:** Machine Control **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!* **hhaines@mass-stemhub.org**

OpenSciEd

6th-8th grade

- Light & Matter
- Sound
- Forces at a Distance
- Earth & Space
- Contact Forces
- Thermal Energy
- Photosynthesis
- Natural Hazards
- Bath Bombs
- MREs
- M'Kenna

PBLWorks

5th-12th grade - *We would love to see 8th grade civics projects.*

Projects that have strong evidence of Gold Standard Design Elements from all disciplines are welcomed.