



# The Clean Tech Competition & Project Based Learning

Project Based Learning (PBL) is an effective style of learning that engages students and provides real-world relevance for learning. Here are examples of how the Clean Tech Competition matches the components of PBL.

## Driving Question

The competition provides a specific challenge to students: How can we use clean technology to create an innovation to solve a specific problem?

## Essential Content & Skills

The competition requires use of the scientific method, research and design, critical thinking, problem solving, collaboration, and communication.

## In-depth Inquiry

Students formulate and answer questions on the path to creating an innovation.

## Student Voice & Choice

Students have choice within the given challenge.

## Revision & Reflection

Students write and edit their paper as a team, and must include plans for testing and redesign. In the 2<sup>nd</sup> round, students make revisions to their original design as they create and test their innovations.

## Presentation

In the final round of the competition, students present their prototypes to a live panel of judges, and participate in a question and answer session.