

# GREATNESS STEMS FROM IOWANS

GOVERNOR'S STEM ADVISORY COUNCIL

## Project Lead The Way: Launch

2017-2018 STEM Scale-Up Program

**Overview:** [Project Lead The Way \(PLTW\)](#) is a nonprofit organization that provides a transformative learning experience for K-12 students and teachers across the U.S. We create an **engaging, hands-on classroom environment** and **empower students** to develop in-demand knowledge and skills they need to thrive. We also provide teachers with the training, resources and support they need to engage students in real-world learning.

**Grade Levels:** K-5

### Program Summary

K-5 students already have the qualities of great designers and innovators. [PLTW Launch](#) taps into their exploratory nature, engages them in learning that feels like play and encourages them to keep discovering – now and for years to come. Our pathways in computer science, engineering and biomedical science **engage** students in hands-on activities, projects, and problems; **empower** them to solve real-world challenges and **inspires** them to reimagine how they see themselves.

### Program Objectives and Description

[PLTW Launch's 24 interdisciplinary modules](#) bring learning to life. The program empowers students to adopt a design-thinking mindset through compelling activities, projects and problems that build upon each other and relate to the world around them. As students engage in hands-on activities in computer science, engineering and biomedical science, they apply and reinforce the knowledge and skills they've acquired in core academic areas. In addition, each module empowers students to develop essential skills such as problem solving, critical and creative thinking, communication, collaboration and perseverance. The program's flexible 10-hour modules are designed with all the information and materials you need to bring lessons to life for your students and school. With PLTW Launch, you can choose to start with a single module, implement all 24 modules or anything between. No matter what approach you take, PLTW team members will be with you every step of the way to support a successful program implementation and continued growth of your program. To support this unique classroom experience, our professional development provides teachers with robust and flexible instructional support, on-demand resources and a close-knit community of collaboration with fellow educators.

### What does the program provide to educator?

- 2017-2018 Launch Participation Fee (PLTW grant of \$750 per school): provide PLTW team members support for a successful program implementation and continued growth of your program, access to ongoing teacher training, professional learning communities and PLTW Learning Management System.
- PLTW Launch train-the-trainer grant to cover the registration for one Launch Lead Teacher per school (\$750). PLTW will host and schedule specific regional training in IOWA to support the program. Awardees are required to train at least one Launch Lead Teacher who will be equipped to train an unlimited number of Launch Classroom Teachers at your school for no additional cost.
- Schools will receive a \$3,000 credit towards materials needed to implement the program. Allowable expenses include: PLTW modules required equipment and supplies (including tablets) and any additional Launch Teachers you wish to train.

### What is required by the educator in order to implement this program?

1. **Select your PLTW Launch implementation approach:** Review the PLTW Launch section in the [PLTW Implementation Guide](#).
2. **Plan for your program:** Determine your [PLTW investment](#) and get familiar with [technology requirements](#).
3. **Apply for the STEM Scale-Up Program award**
4. **Register your school with PLTW:** Once you have been selected to receive a STEM Scale-Up Program award visit [PLTW Get Started](#) and follow the steps to register your school.
5. **Identify your PLTW Launch Lead Teacher:** Each awardee is required to send one Launch Lead Teacher to training. The Launch Lead Teacher Training schedule and registration process will be shared in the spring and trainings will be offered in July/August.

**Program Video:** [PLTW Launch](#)

**Standards Alignment:** [PLTW Launch Standards Alignment](#)