



PLTW

GATEWAY



pltw.org

A black and white photograph of two young boys in a classroom setting. They are focused on a project on a table. The boy on the left is wearing a white polo shirt with a logo that says "LOS ALIBIS MIDDLE". The boy on the right is wearing a grey polo shirt with "LOS ALIBIS" visible. They are working with a clear plastic baseboard containing various electronic components like resistors and a potentiometer. A tablet is also visible on the table. An orange graphic element, consisting of a thick line forming a partial circle and a rectangular box, is overlaid on the right side of the image.

“

Gateway teaches students to think differently than any other subject.”

Spark engagement in your classroom.

Middle school is a time of exploration, a time when students are figuring out what they're **passionate** about today and how that relates to **who they'll become tomorrow**.

During this transitional time in students' lives, PLTW Gateway **sparks a joy of discovery** and illuminates the range of paths and possibilities they can look forward to in high school and beyond. The program's hands-on projects in computer science, engineering, and biomedical science boost classroom engagement and excitement, support student-led learning and teamwork, and **inspire "aha! moments" and deep comprehension**.

Tackling pressing challenges like designing a therapeutic toy for a child with cerebral palsy, cleaning up an oil spill, or solving a fictional crime, students learn to test their limits and question what's possible. As students learn how things work and apply what they know to address challenges, questions like "When am I ever going to use this?" disappear from the classroom. And by challenging themselves to rework and refine their projects, PLTW Gateway students learn that both failed attempts and persistence are **key to learning and innovation**.

A few of the hands-on challenges PLTW Gateway students engage in:

- Examining ways to cut energy consumption
- Creating mobile apps that help clients overcome obstacles
- Designing a home created from a reclaimed shipping container

For PLTW Gateway unit descriptions, standards alignment, and more information, visit pltw.org/gateway.





PLTW

pltw.org

877.335.PLTW

**5939 Castle Creek Parkway North Drive
Indianapolis, IN 46250**