Sustainability: "Making an automated garden"

Todd Igelman
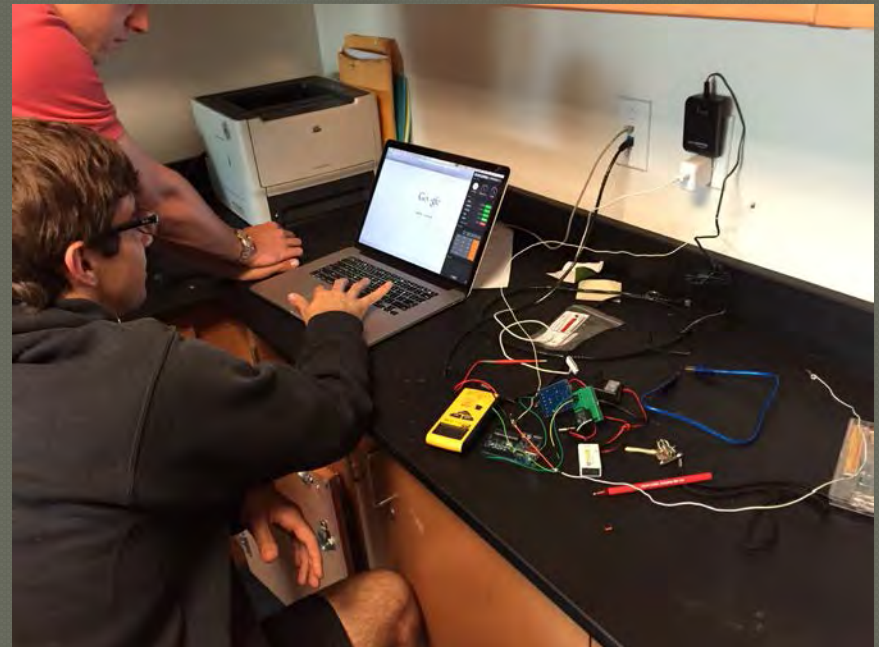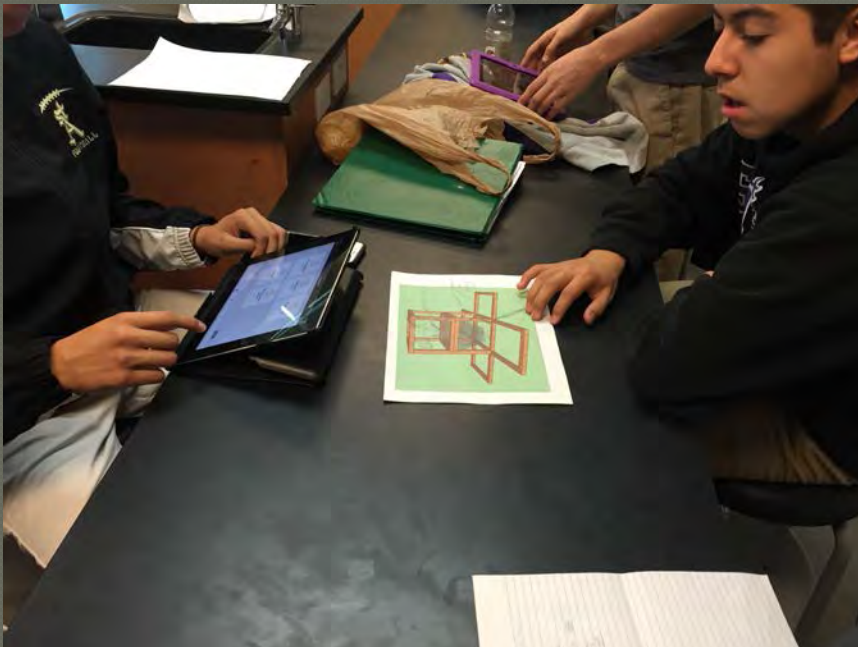Saint Augustine High School
San Diego CA

Research Question

- How can making an automated school garden help 10-12th grade boys value sustainability?

Challenges

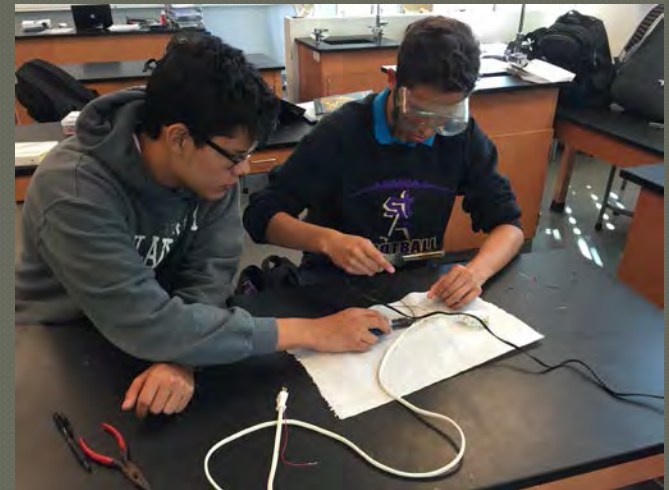- Over estimating own abilities.
- Lack of programming knowledge base.

Key Findings

- Need for directions.
- Fear of failure.
- Strong effort to make it sustainable.

Benefits

- Collaboration
- Sharing ideas and knowledge
- Ownership
- Creativity
- Critical thinking skills
- Confidence
- Curiosity

Future Plans

- Cross curriculum - programming course.
- Create Maker spaces at our school.
- Develop more Maker inspired lessons across multiple disciplines.