



What?! IRW Students Doing STEM Research?

Roadmap to Model

- ➔ Encourage atmosphere of Innovation and Cooperation
- ➔ Merge labs (Dev ed Lab and Engineering lab, for example)
- ➔ Emphasize fact that students are working on important research that could be a real resume builder
- ➔ Introduce fascinating high tech equipment (robotics, virtual reality, augmented reality, etc.)
- ➔ Connect to real life application
- ➔ Provide clear outline, templates, and resources
- ➔ Partner with local area businesses who will come and speak with class, review their work, and provide networking examples
- ➔ Provide mentoring opportunities with upper level students in the field if possible
- ➔ Work one-on-one, step by step, less lecture, more hands on
- ➔ Hold students to higher standards (Use appropriate format and style, use correct citation, introduce research appropriately, use higher level research– but research that is also interesting and relevant, apply to real life problems)
- ➔ Provide opportunities for students to give feedback
- ➔ 3 major projects, each following same pattern-- students start making connections