

Memo

To: Haysville Board of Education

From: Industrial Technology Department/Brett Marrs/Micah Bright

Date: December 11, 2017

Re: Robotics Class at Campus High School

What: To add a robotics class to Campus High School which would add the engineering pathway as well. The students would;

- Brainstorm as a team to create a robot to fulfil the needs of society
- Design different types of robotic machinery to complete specified goals
- Prototype and test first designs
- Create a robotic machine to complete predesigned tasks
- Program and troubleshoot
- The students will partake in a friendly competition amongst their peers.
- Opens the door to Best, First and VEX Competitions
- Scholarships

Why: Robotics and Robotic Automation are the leading emerging technologies that our students will need to know. Future careers will include design, manufacture, repair and maintenance of robotic machinery. Campus students can be on the leading edge of this technology.

Where: A new class established at Campus High School that would enhance the knowledge of Robotics.

When: Starting school year 2018-2019

Cost: The upfront cost would be \$13,000 - \$21,000. Books and Robot kits are reusable and can be purchased from PITSCO Education and VEX Systems. The total cost would depend on the number of students in the class, \$13,000 would be enough for a class of twenty while 21,000 would be enough for a class of 30 Students, with an annual cost between \$1,000 – \$2,500.

Links:

[PITSCO Education Robot](#)

[PITSCO Education Control Robot Kit](#)

[PITSCO Education Programmable Robot Kit](#)

[PITSCO Education Robot Books](#)

[VEX Systems](#)