

Warren T. Eich Middle School

Engineering and Fabrication

Student Application

Engineering and Fabrication is a technical-skills based class that delves into the world of manufacturing. Students will work through the fabrication continuum: from the design process, to product engineering, and finally to the manufacturing of the products. We work on a broad range of projects incorporating a diverse list of materials. We will rely heavily on power tools and equipment for our work, including CNC machines. Students entering this class are expected to demonstrate maturity and behavior consistent with a safe work environment. Students will be working with the community on multiple occasions leveraging their technical skills to solve problems. They are expected to demonstrate the professional behavior we foster in our IB students.

There will be group and individual projects. Students will work inside the classroom shop and outside of the class, on school projects. Students will be expected to participate in the Design Build Shed building competition and our Engineering project we do in partnership with the Professional Engineers in CA Government.

This is a yearlong course. Students are placed in this class with instructor approval.

To apply for this course students will be required to complete the following:

1) Student Application for Engineering and Fabrication

Students need to answer the following questions on the back of this document. This form needs to be returned to Mr. Agostinelli or the office by **Friday April 12, 2019**.

2) Teacher Recommendation Form for Yearlong Electives for VAPA Courses

This form can be obtained from Mr. Agostinelli, or the office. The teacher recommendation needs to be completed electronically by **Friday April 12, 2019**.

3) Attend Woodshop (Advanced) performance assessment tryouts

Tryouts will be held the week after Spring Break during lunch time in the wood shop (D7).

Application Deadline: Friday April 12, 2019

If you have any questions, please contact John Agostinelli at jagostinelli@rcsdk8.org

Engineering and Fabrication-Student Application

Print Name : _____

Please answer the following questions as honestly, and thoroughly as possible. You may either print your answers below or type your responses on a separate piece of paper (staple it to this sheet).

- 1) What previous experience do you have building, fixing, or designing projects?

- 2) Why do you want to take Engineering and Fabrication?

- 3) If selected for this course, what will you contribute to this class?

- 4) Students will frequently be working in groups or as individuals to complete projects. Please explain how you would work as a group or an individual to complete a project on time.