

**COURSE OUTLINE**

**SUBJECT:** Design

**GRADE:** 7

**COURSE DESCRIPTION**

The goal of the middle school Design curriculum is to give students an introduction to technology. Students will begin by learning the basic vocabulary that will follow them through their final year in eighth grade. Through the course students will begin a state of the art online 3d printing program that will allow for a variety of hands-on experiences. Then in eighth grade students will culminate with an industry standard drafting program that will aid in their understanding of engineering principles.

The students this year will be learning a new program called TinkerCAD. This program is an introductory level 3d design program that will allow students to easily design a piece and then send it to our 3D printers.

**ANTICIPATED STUDENT OUTCOMES –**

*By the end of the semester, students in this class will be able demonstrate the following competencies:*

- Please see attached:

**MATERIALS :**

1 folder  
1 SD card

**CRITERIA for ASSESSMENT**

- Participation in class
- Projects

**Opportunities for Enrichment:**

Students that excel in Design will be given opportunities to lead activities, to work with other computer programs appropriate to their interests. Enrichment activities will not be graded. Students in need of extra help or additional time to complete assignments are expected to seek assistance and to come for T-periods.