

**DOBBS FERRY MIDDLE SCHOOL**  
Dobbs Ferry, New York 10522

**COURSE OUTLINE**

**SUBJECT:** Design

**GRADE:** 7

**COURSE DESCRIPTION**

The goal of the middle school technology 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 modular laboratory 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.

This computer-based class will further link technology to math, physical science, environmental science, geography, biomedical science, electronics, and communications. Each student will be working with a partner covering a variety of topics using video, hands on, and computer tutorials.

For the module career report students will complete a career exploration report based upon a career related to their assigned module. Career examples include: architecture, space exploration, optometry, podiatry, and crane operation.

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

**CRITERIA for ASSESSMENT**

- Scantek Grading System
- Participation in class
- Projects

**Opportunities for Enrichment:**

Students that excel in Technology 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.