

# Technology Education Course (8 Sessions)

6<sup>th</sup> – 8<sup>th</sup> Grade Students

**Purpose:** “To foster a safe and healthy relationship with technology through education and understanding.”

## Structure:

The course consists of a total of eight class sessions. We will meet Wednesdays, after school, from 3:30-4:30. Refer to the class schedule for dates as we will not meet every Wednesday.

The content of the course and modules are below. We will start off learning about computer hardware and will progress through each module week by week. By the end of the course, the students will understand the basics of computers, how computers and devices are interconnected, and will also be provided guidance to online safety.

Please keep in mind that missing a class will equal missing content. Being “present” is the best solution to awareness.

## Course Modules:

1. **Computer Hardware:** learn about the various components of a computer and their functions.
2. **Software and Operating Systems:** learn how to install an Operating System as well as how to install and manage applications. Windows and Apple.
3. **Computer Build:** Taking the knowledge from the previous modules, we will construct a computer and load the Operating System.
4. **Networking:** What makes all these systems work together? We will learn more about how the internet is connected and the various components as it relates to computer networking.
5. **Security:** We will learn the different approaches to “securing” a system, including discussion on **firewalls** and **cryptology**.
6. **Networking Hands On:** Using the knowledge from the previous module, we will explore and learn more about the Montessori Academy network system and the various components.
7. **Bring it all Together:** We will recap what we have learned and bring all the components together and the students to gain deeper understanding of the concepts.
8. **Online safety:** We will discuss safe internet browsing, safe email use, online behavior and social interaction.

## Class Schedule

8 Sessions

3:30 – 4:30 on the following **Wednesdays:**

- September 11, 18, 25

- October 16, 23, 30

- November 13, 20

Please make **reservations** to Ben Behrend, [yourfriendlynetworkguy@cox.net](mailto:yourfriendlynetworkguy@cox.net)

**Course Fee:** \$120 and can be paid to the office.

**About the Instructor:** Ben has worked in IT for almost 20 years in various fields including: desktop and mobile environments, architecting and implementing complex network environments, designing and implementing security controls, software development, and scripting. Ben achieved dual majors from ASU in Computer Information Systems as well as Business Data Analytics in 2015 and more recently he has earned the Certified Information System Security Professional (CISSP) certification in August 2019.