

Hi Student! Welcome to Westview 3D Printing Club's Curriculum for Project Voyage. Through our 7 chapters, we will teach and give you the skills and knowledge necessary to create any 3D printed object! As your teacher has instructed you, you will be responsible for finishing one chapter per week. Each chapter page will look similar to this with a video and slideshow, followed by a couple of assignments and a small project at the end. Without further ado, jump right into...

Chapter 2: Parts of a 3D Printer

1. Take notes on the video. We highly encourage watching the video as our exec board has given commentary and additional information over the slides.
 - a. Sorry, but no link for this chapter!
2. For later reference, here are the slides for this section
 - a. [Parts of a 3D Printer Slides](#)
3. Assignment #1: Worksheet (the parts of the whole printer)
 - a. [Link to worksheet](#)
4. Assignment #2: Research Filaments, try to find at least 3 rolls that are high quality but low cost
 - a. You can either put it in a slideshow or on a document
 - b. Put down the cost, website, and why you think it is high quality and at a reasonable price
5. Assignment #3: Research replacement parts for the Creality Ender 3 Printer and their cost, then write down one part that you could upgrade, the upgraded part name and what the upgraded part does.
 - a. Hot end
 - b. Print bed
 - c. Cooling Fan
6. Final Project: Sketch your idea! - (ask students to create two sketches of possible ideas)