Creative Applications
Grading Period 2

Power Objectives:

- **Develop employability skills, leadership, and communication. (P.O. #1)**
- **Apply knowledge and skills to produce print or digital products. (P.O. #3)**
- **Interpret drawings and documentation and perform measurements. (P.O. #4)**

Academic Vocabulary:

- 3D printer
- laser cutter
- STL
- SVG
- CAD
- filament
- shape
- form
- rotate
- scale
- millimeter
- snap
- grid
- JPG
- sketch

Digital Design

Enduring Understandings:

- Computer software allows us to quickly and creatively communicate design solutions. Well planned design is critical for electronic and printed objects.
- 3D design allows the designer to create objects in a realistic format.

Essential Questions:

- How can basic design principles enable one to produce effective graphic designs?
- Why are specific types of software applications best suited for graphics design projects?
- How does 3D design greatly increase the productivity of the designer?
- What are the benefits of 3D capability for the designer?