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| Name: Woolridge | | Grading Quarter: Q1 | Week Beginning: W4 |
| School Year: 2023 | | Subject: Fab Lab | |
| Monday | Notes: Teachers only | Objective: Science and Engineering Practices: Students will understand the use of Inkscape Bezier tool and the use of a laser cutter to make vector cuts as evidenced by creating a 3D model of their dream home design. Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home. Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards: HS-ETS1-4 Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem. |
| Tuesday | Notes: | Objective: Science and Engineering Practices: Students will understand the use of Inkscape Bezier tool and the use of a laser cutter to make vector cuts as evidenced by creating a 3D model of their dream home design. Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home. Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards: HS-ETS1-4 Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem. |
| Wednesday | Notes: | Objective: Science and Engineering Practices: Students will understand the use of Inkscape Bezier tool and the use of a laser cutter to make vector cuts as evidenced by creating a 3D model of their dream home design. Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home. Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards: HS-ETS1-4 Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem. |
| Thursday | Notes: | Objective: Science and Engineering Practices: Students will understand the use of Inkscape Bezier tool and the use of a laser cutter to make vector cuts as evidenced by creating a 3D model of their dream home design. Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home. Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards: HS-ETS1-4 Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem. |
| Friday | Notes: | Objective: Science and Engineering Practices: Students will understand the use of Inkscape Bezier tool and the use of a laser cutter to make vector cuts as evidenced by creating a 3D model of their dream home design. Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home. Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards: HS-ETS1-4 Use a computer simulation to model the impact of proposed solutions to a complex real-world problem with numerous criteria and constraints on interactions within and between systems relevant to the problem. |