| Name: Gagnon | | Grading Quarter: Q3 | Week Beginning: 2/5 W5 |
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| School Year: 2024 | | Subject: Fab Lab | |
| Monday | Notes:<br><br>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. This is a two-week project.<br>Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home.<br>Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards:<br>**HS-ETS1-4**<br>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. This is a two-week project.<br>Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home.<br>Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards:<br>**HS-ETS1-4**<br>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. This is a two-week project.<br><br>Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home.<br>Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards:<br>**HS-ETS1-4**<br>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. This is a two-week project.<br>Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home.<br>Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards:<br>**HS-ETS1-4**<br>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. Due date.<br>Students will use Inkscape Bezier tool to complete an original design of a 3D model of their dream home.<br>Intro to Tinkercad, Cura and 3D printing demonstration. | Academic Standards:<br>**HS-ETS1-4**<br>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. |