

My House, My Castle

We all have different relationships with the places that we live. Some people would change very little, while others would change almost everything. This project allows students to personalize and change a small area of their living spaces to their own interest and habits.

Prep:

Students will need to understand how mapping works. Students will need to understand what “scale” and “scaling” is and how it works with regards to imagery/mapping. Students will need access to computers with either Minecraft or Google Sketch-up to translate their work to into three dimensional structures.

Objective:

Students will learn about architectural design and floor planning.

Students will map out their existing living space.

Students will add modifications to their existing living space without compromising the existing structure AND within the constraints of their property.

Students will learn about three dimensional architectural through virtual re-creation and modification of their living space(s).

Students will learn about the screen shot utility on their computer and use it to document their architectural creation.

Students will present their work via E-portfolio.

Practice:

Students will be given instruction on how maps, (specifically floor plan maps), are constructed. Students will be given meter sticks and be expected to map out a room in the school. Students will be expected to choose an area of their house they would like to remodel. Students will then be expected to map out that section and modify it to their interest. Students will be given instruction on different interior and exterior architectural designs. Students will be given instruction on the three dimensional modelling software and the screen-capture software that will be used by the class. Students will upload their pictures and present their work via E-portfolio.

Grade Level Expectations:

Grade 4 – Students will learn to map, modify and recreate spaces in both two and three-dimensional formats.

Grade 5 – Students will learn to map, modify and recreate spaces in both two and three-dimensional formats.

Rubric

| Emerging | Developing | Proficient | Extending |
|---|---|--|---|
| <p>Inconsistent attendance with many unexcused absences.</p> <p>Student has many unfinished assignments and doesn't attempt to catch up on work missed.</p> <p>Student doesn't self-advocate, gives up when finding challenge with assignments rather than seeking help.</p> <p>Student's work is consistently unfinished, and/or late.</p> <p>Student rarely engages with, focuses on and perseveres through obstacles on their project work or the intricacies therein.</p> | <p>Attends consistently with reminders. Absences are often excused.</p> <p>With teacher help, student informs teacher about work that they need to catch up on.</p> <p>With assistance, student's work ethic and attitude are consistent.</p> <p>With assistance, student's work fulfills the expectations of the assignment and is on time.</p> <p>With guidance, student perseveres with, focuses on and engages with their project work during most classes.</p> | <p>Good attendance. Rarely away and any absences are mostly excused.</p> <p>Student takes responsibility for catching up on missed work and acquires it from peers or the website.</p> <p>Student's work ethic and attitude is not dependent on assignment success level.</p> <p>Student's meets the expectations of the assignment and is on time.</p> <p>Student perseveres with, focuses on and engages on project work consistently at every stage of its development.</p> | <p>Excellent attendance. Student always attends class and away, the absences are always excused.</p> <p>Student is always conscientious of deadlines and always hands their work in complete and on time.</p> <p>Student's work ethic and attitude set an example for other students.</p> <p>Student's work goes beyond the expectations of the assignment and is on time or finished early.</p> <p>Student is a leader during class time and understands the subject matter so assistance is consistently offered to other students on their project work.</p> |