

## Recreation in Minecraft: Rubric

## Section 1: Planning

| Topic            | Exceeding (5)  | Meeting (4)  | Beginning (3)   | Not Yet (2)   |
|------------------|--|--|---|---|
| <b>Structure</b> | You have chosen a complex structure that would be difficult to recreate in Minecraft.  | You have chosen a complex structure that would be easy to recreate in Minecraft.   | You have chosen a basic structure with no complexity that is easy to recreate in Minecraft.   | You have chosen a basic structure with no complexity that is easy to recreate in Minecraft. |
| <b>Scale</b>     | The scale you have chosen is relevant to your place and includes all steps to find the scale. There is NO mathematical errors. You showed all your work.     | The scale you have chosen is relevant to your place and includes all steps to find the scale. There are minor (1-2) mathematical errors. You showed most (50 - 99%) of your work | The scale you have chosen is NOT relevant to your project and includes all steps to find the scale. There are major (>3) mathematical errors. You showed little (1 – 49%) of your work. | There was NO attempt made to create the scale. You showed no work.                          |
| <b>Diagrams</b>  | You have drawn diagrams with an accurate scale and your diagrams are relevant to your place. You included extra details that a normal diagram does not have. | You have drawn diagrams with an accurate scale and your diagrams are relevant to your place.   | You have drawn diagrams that are not with an accurate scale.  | You did not draw any diagrams   |

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## Section 2: Surface Area &amp; Volume

| Topic                                      | Exceeding (5)   | Meeting (4)  | Beginning (3)   | Not Yet (2)   |
|--|---|--|---|---|
| <b>Surface Area of Actual Structure</b>    | You have attempted the Surface Area of your actual place. There is NO mathematical errors in your calculations. You showed all your work.         | You have attempted the Surface Area of your actual place. There are minor (1-2) mathematical errors. You showed most (50 - 99%) of your work         | You have attempted the Surface Area of your actual place. There are major (>3) mathematical errors. You showed little (1 – 49%) of your work.         | You made NO attempt at finding the Surface Area of your actual place. You showed no work.         |
| <b>Surface Area of Minecraft Structure</b> | You have attempted the Surface Area of your Minecraft recreation. There is NO mathematical errors in your calculations. You showed all your work. | You have attempted the Surface Area of your Minecraft recreation. There are minor (1-2) mathematical errors. You showed most (50 - 99%) of your work | You have attempted the Surface Area of your Minecraft recreation. There are major (>3) mathematical errors. You showed little (1 – 49%) of your work. | You made NO attempt at finding the Surface Area of your Minecraft recreation. You showed no work. |
| <b>Volume of Actual Structure</b>          | You have attempted the Volume of your actual place. There is NO mathematical errors in your calculations. You showed all your work.               | You have attempted the Volume of your actual place. There are minor (1-2) mathematical errors. You showed most (50 - 99%) of your work               | You have attempted the Volume of your actual place. There are major (>3) mathematical errors. You showed little (1 – 49%) of your work.               | You made NO attempt at finding the Volume of your actual place. You showed no work.               |
| <b>Volume of Minecraft Structure</b>       | You have attempted the Volume of your Minecraft recreation. There is NO mathematical errors in your calculations. You showed all your work.       | You have attempted the Volume of your Minecraft recreation. There are minor (1-2) mathematical errors. You showed most (50 - 99%) of your work       | You have attempted the Volume of your Minecraft recreation. There are major (>3) mathematical errors. You showed little (1 – 49%) of your work.       | You made NO attempt at finding the Surface Area of your Minecraft recreation. You showed no work. |

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## Section 3: Cost, Budget &amp; Loans

| Topic                    | Exceeding (5)   | Meeting (4)   | Beginning (3)   | Not Yet (2)   |
|--------------------------|---|---|---|---|
| <b>Materials</b>         | You listed the “exact” materials that your place used in creating your chosen place. You rounded to the nearest whole number to calculate cost. You showed all your work. | You listed the “relevant” materials that your place used in creating your chosen place. You rounded to the nearest whole to calculate cost. You showed most (50 - 99%) of your work | You listed the “irrelevant” materials that your place used in creating your chosen place. You did not round to the nearest whole to calculate cost. You showed little (1 – 49%) of your work. | You listed the “NO” materials that your place used in creating your chosen place. You showed no work. |
| <b>Cost</b>              | You found the costs of all your materials. Your cost calculations show NO mathematical errors. You showed all your work.  | You found the costs of all your materials. Your cost calculations show minor (1-2) mathematical errors. You showed most (50 - 99%) of your work                                     | You found the costs of all your materials. Your cost calculations show major (>3) mathematical errors. You showed little (1 – 49%) of your work.  | You found NO costs of your materials. You showed no work.   |
| <b>Loan</b>              | You created a loan that covers your cost of materials. You developed a loan payment strategy. There are NO mathematical errors. You showed all your work.                 | You created a loan that covers your cost of materials. You developed a loan payment strategy. There are minor (1-2) mathematical errors. You showed most (50 - 99%) of your work    | You created a loan that does not cover your cost of materials. You developed a loan payment strategy. There are Major (>3) mathematical errors. You showed little (1 – 49%) of your work.     | You created NO loan. You showed no work.  |
| <b>List of Resources</b> | You have listed more than 5 sources of information to find all materials and loan payment.  | You have listed 3 to 4 sources of information to find all materials and loan payment.   | You have listed 1 to 2 sources of information to find all materials and loan payment.   | You DID NOT list your sources.  |

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*Section 4: Minecraft World*

| Topic                         | Exceeding (5)  | Meeting (4)  | Beginning (3)   | Not Yet (2)   |
|-------------------------------|--|--|---|---|
| <b>Blocks Used</b>            | You have found or created a resource pack (same as texture pack) to use in building your structure in Minecraft. | You found similar blocks to represent the materials that you found in the actual structure.      | You found similar blocks to represent the materials that you found in the actual structure. | You DID NOT do the Minecraft world.                               |
| <b>Following the Diagrams</b> | You followed your diagrams you created in your plans, and you DID NOT change your plans.                         | You followed the diagrams you created in your plans, and you changed your plans slightly.        | You followed the diagrams you created in your plans, and you changed your plans lots.       | You did not follow the diagrams you created in your plans.        |
| <b>Similarities</b>           | Your Minecraft structure looks “exact” like the actual structure.  | Your Minecraft structure looks “nearly less than 10% margin of error” like the actual structure. | Your Minecraft structure looks “similar” like the actual structure.                         | Your Minecraft structure does not look like the actual structure. |
| <b>NPCs &amp; Blackboards</b> | You added lots of NPCs & Blackboards as tour guides in your place and described what you did.                    | You added some blackboards your place to describe what you did.                                  | You added little of blackboards to describe what you did.                                   | You added no blackboards.   |

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*Section 5: Presentation*

| Topic              | Exceeding (5)   | Meeting (4)  | Beginning (3)  | Not Yet (2)   |
|--------------------|---|--|--|---|
| <b>Information</b> | You included all relevant information for your project. You included extra information. | You included most (50 to 95%) relevant information.                            | You included some (25 to 45%) relevant information.                          | You included little ( $\leq 20\%$ ) relevant pieces of information. |
| <b>Design</b>      | You made your presentation in a creative way. Your presentation is easy to follow.      | You made your presentation in a nice way. Your presentation is easy to follow. | You made your presentation complicated. Your presentation is hard to follow. | You made no effort in making your presentation.                     |
| <b>Works Cited</b> | You listed ALL your sources.  | You listed most (90-95%) of your sources.                                      | You listed some (60-89%) of your sources                                     | You listed little ( $\leq 69\%$ ) of your sources                   |

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## Section 6: Participation

## 6.1 Group/Partners

| Topic                    | Exceeding (5)   | Meeting (4)   | Beginning (3)   | Not Yet (2)  |
|--------------------------|---|---|---|--|
| <b>Participation</b>     | You participated in your group (or partner). You were a leader in doing this project.                   | You participated in your group (or partner). You were a leader and a follower in doing this project.            | You participated in your group (or partner). You were just a follower in do.                                      | You DID NOT participate in your group (or partner). You left all the work for everyone else to do. |
| <b>Use of Class Time</b> | You used your class time effectively. You were not disruptive. Once you finished a task you went ahead. | You used your class time wisely. You were not disruptive. You finished the tasks in the certain amount of time. | You used your class time lousy. You were disruptive. You finished your tasks but not in the amount of time given. | You used your class time poorly. You were disruptive. You did not finish your tasks.               |

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## 6.2 Individual

| Topic                    | Exceeding (5)   | Meeting (4)   | Beginning (3)   | Not Yet (2)  |
|--------------------------|---|---|---|--|
| <b>Participation</b>     | You focused on your own project. You worked on it by yourself.  | You focused on your own project. You worked on it by yourself with a little help.                               | You focused on your own project and others around you. You asked for help lots.                                   | You did not work on your own project.  |
| <b>Use of Class Time</b> | You used your class time effectively. You were not disruptive. Once you finished a task you went ahead. | You used your class time wisely. You were not disruptive. You finished the tasks in the certain amount of time. | You used your class time lousy. You were disruptive. You finished your tasks but not in the amount of time given. | You used your class time poorly. You were disruptive. You did not finish your tasks. |

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Comments:

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