# Scratch Population Simulation Game Rubric

**NAME:**

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## TOTAL POINTS

<table>
<thead>
<tr>
<th>AREA</th>
<th>Points Received</th>
<th>Points Possible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planning</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>Collaboration &amp; Engagement</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Content</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>Creativity</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Spelling &amp; Conventions</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>Programming</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

**TOTAL:** ___/55 pts

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## PLANNING

---/15 pts.

<table>
<thead>
<tr>
<th>Points Received</th>
<th>Description</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>___/4 pts.</td>
<td>Research Planning Sheet</td>
<td>4= Complete &amp; Accurate (correct) information</td>
</tr>
<tr>
<td>___/2 pts.</td>
<td>*Lists at least 3 sources of information</td>
<td>3= Complete with mostly correct information</td>
</tr>
<tr>
<td>___/4 pts.</td>
<td>Event Planning Sheet</td>
<td>2= Some items not complete; most information correct</td>
</tr>
<tr>
<td>___/4 pts.</td>
<td>Ride Stop Planning Sheet</td>
<td>1= Incomplete with many errors</td>
</tr>
<tr>
<td>___/1 pt.</td>
<td>*Includes source of photo/image</td>
<td></td>
</tr>
</tbody>
</table>

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Collaboration & Engagement /10 pts.

For the Collaboration & Engagement category, students will receive both a grade from their teammates and one from their teacher. Alternately, you could have students self-score if you do not want them to score their teammates. These two combined scores will total 10 points.

<table>
<thead>
<tr>
<th>Peer/Self-Score</th>
<th>Teacher Score</th>
<th>Description</th>
</tr>
</thead>
</table>
| 5 pts           | 5 pts         | ✓ I worked well with my group members. No intervention from the teacher was necessary.  
✓ I contributed to the group and did my assigned part.  
✓ I helped my teammates when I could.  
✓ I stayed on-task.  
✓ All components of the project were turned in on time. |
| 4 pts           | 4 pts         | ✓ I worked well with my group members. No intervention from the teacher was necessary.  
✓ I contributed to the group and did my assigned part.  
✓ I helped my teammates when I could.  
✓ I stayed on-task. |
| 3 pts           | 3 pts         | ✓ I worked well with my group members. Minimal intervention from the teacher was necessary.  
✓ I contributed to the group and did my assigned part.  
✓ I helped my teammates when I could.  
✓ I mostly stayed on-task. Minimal intervention from the teacher was necessary. |
| 2 pts           | 2 pts         | ✓ I had trouble working with my group members. Teacher intervention was necessary on multiple occasions.  
✓ I mostly contributed to the group; I did not complete all of my assigned part.  
✓ I had trouble staying on-task. Teacher intervention was necessary on multiple occasions. |
| 1 pt            | 1 pt          | ✓ I had trouble working with my group members. Teacher intervention was necessary on multiple occasions.  
✓ I did not complete my assigned part.  
✓ I had trouble staying on-task. Teacher intervention was necessary on multiple occasions. |
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NAME: ____________________________________________________________

CONTENT /10 pts.

<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
</table>
| 10 pts | ✓ Includes accurate (correct) information related to the topic of study.  
✓ Includes at least 2 native species (one predator; one prey) and one non-native species.  
✓ Game is based on research on the topic of study; at least 3 sources cited.  
✓ Game accurately simulates the consequences of introducing a non-native species into the habitat. |
| 8 pts  | ✓ Includes accurate (correct) information related to the topic of study.  
✓ Includes at least 2 native species (one predator; one prey) and one non-native species.  
✓ Game is based on research on the topic of study; at least 3 sources cited.  
✓ Game somewhat accurately simulates the consequences of introducing a non-native species into the habitat. |
| 6 pts  | ✓ Includes mostly accurate (correct) information for their assigned topic of study.  
✓ Includes at least 2 native species (one predator; one prey) and one non-native species.  
✓ Game is based on research on the topic of study; at least 2 sources cited.  
✓ Game somewhat accurately simulates the consequences of introducing a non-native species into the habitat. |
| 4 pts  | ✓ Includes some accurate (correct) information for their assigned topic of study.  
✓ Includes at least 2 native species (one predator; one prey) and one non-native species.  
✓ Game does not accurately simulate the consequences of introducing a non-native species into the habitat.  
✓ Game is not based on research on the topic of study; no sources cited. |

SPELLING & CONVENTIONS /5 pts

<table>
<thead>
<tr>
<th>Score</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 pts</td>
<td>✓ There are no spelling or grammatical errors.</td>
</tr>
<tr>
<td>4 pts</td>
<td>✓ There are 1 – 2 spelling or grammatical errors.</td>
</tr>
<tr>
<td>3 pts</td>
<td>✓ There are 3 – 4 spelling or grammatical errors.</td>
</tr>
<tr>
<td>2 pts</td>
<td>✓ There are 5 – 6 spelling or grammatical errors.</td>
</tr>
<tr>
<td>1 pt</td>
<td>✓ There are more than 6 spelling or grammatical errors.</td>
</tr>
</tbody>
</table>
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NAME:________________________________________________________

<table>
<thead>
<tr>
<th>Score</th>
<th>Min Description</th>
<th>Max Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 pts</td>
<td>✓ Project includes at least 3 extra elements (blocks, backdrops, scripts, images, sounds, animations, motions, etc.) or interactive features beyond what is required. ✓ Project is unique and different from the sample project but still meets all requirements.</td>
<td></td>
</tr>
<tr>
<td>4 pts</td>
<td>✓ Project includes at least 2 extra elements (blocks, backdrops, scripts, images, sounds, animations, motions, etc.) or interactive features beyond what is required. ✓ Project is unique and different from the sample project but still meets all requirements.</td>
<td></td>
</tr>
<tr>
<td>3 pts</td>
<td>✓ Project includes at least 1 extra elements (blocks, backdrops, scripts, images, sounds, animations, motions, etc.) or interactive features beyond what is required. ✓ Project is unique and different from the sample project but still meets all requirements.</td>
<td></td>
</tr>
<tr>
<td>2 pts</td>
<td>✓ Project is somewhat different from the sample project but still meets all requirements.</td>
<td></td>
</tr>
<tr>
<td>1 pt</td>
<td>✓ Project is minimally different from the sample project but still meets all requirements.</td>
<td></td>
</tr>
</tbody>
</table>
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PROGRAMMING __________________________________________ /10 pts

✓ Correctly utilized ALL of the following Scratch blocks (below) and the student can explain the block itself and how it works (10/10 points).

| EVENT BLOCKS | | | |
|--------------|--------------|----------------------------------|
| ____/1 pt.   | When green flag clicked | ![when_green_flag_clicked](image) |
| ____/1 pt.   | When this Sprite clicked | ![when_this_sprite_clicked](image) |
| ____/1 pt.   | Broadcast a Message | ![broadcast_message](image) |
| ____/1 pt.   | When Backdrop Switches | ![whenBackdropSwitches](image) |

| LOOKS BLOCKS | | | |
|--------------|--------------|----------------------------------|
| ____/1 pt.   | Say Something | ![say_hello_for_2_secs](image) |
| ____/1 pt.   | Show/Hide Sprite | ![show_hide](image) |
| ____/1 pt.   | Switch Backdrop | ![switchBackdrop_to_backdrop1](image) |

| MOTION BLOCKS | | | |
|--------------|--------------|----------------------------------|
| ____/1 pt.   | Go to.. | ![go_to_x_y](image) |
| ____/1 pt.   | Point Towards | ![point_towards](image) |
| ____/1 pt.   | Glide | ![glide_to_x_y](image) |