

## Scratch Population Simulation Game Rubric

NAME: \_\_\_\_\_

### TOTAL POINTS

AREA	Points Received	Points Possible
Planning		15
Collaboration & Engagement		10
Content		10
Creativity		5
Spelling & Conventions		5
Programming		10
<b>TOTAL:</b>	<b>/55 pts</b>	

### PLANNING /15 pts.

____/4 pts.	<b>Research Planning Sheet</b>	4= Complete & Accurate (correct) information
____/2 pts.	*Lists at least 3 sources of information	3= Complete with mostly correct information
____/4 pts.	<b>Event Planning Sheet</b>	2= Some items not complete; most information correct
____/4 pts.	<b>Ride Stop Planning Sheet</b>	1= Incomplete with many errors
____/1 pt.	*Includes source of photo/image	

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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.*

Peer/Self-Score	Teacher Score	
5 pts	5 pts	<ul style="list-style-type: none"><li>✓ I worked well with my group members. No intervention from the teacher was necessary.</li><li>✓ I contributed to the group and did my assigned part.</li><li>✓ I helped my teammates when I could.</li><li>I stayed on-task.</li><li>✓ All components of the project were turned in on time.</li></ul>
4 pts	4 pts	<ul style="list-style-type: none"><li>✓ I worked well with my group members. No intervention from the teacher was necessary.</li><li>✓ I contributed to the group and did my assigned part.</li><li>✓ I helped my teammates when I could.</li><li>I stayed on-task.</li></ul>
3 pts	3 pts	<ul style="list-style-type: none"><li>✓ I worked well with my group members. Minimal intervention from the teacher was necessary.</li><li>✓ I contributed to the group and did my assigned part.</li><li>✓ I helped my teammates when I could.</li><li>✓ I mostly stayed on-task. Minimal intervention from the teacher was necessary.</li></ul>
2 pts	2 pts	<ul style="list-style-type: none"><li>✓ I had trouble working with my group members. Teacher intervention was necessary on multiple occasions.</li><li>✓ I mostly contributed to the group; I did not complete all of my assigned part.</li><li>✓ I had trouble staying on-task. Teacher intervention was necessary on multiple occasions.</li></ul>
1 pt	1 pt	<ul style="list-style-type: none"><li>✓ I had trouble working with my group members. Teacher intervention was necessary on multiple occasions.</li><li>✓ I did not complete my assigned part.</li><li>✓ I had trouble staying on-task. Teacher intervention was necessary on multiple occasions.</li></ul>

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### CONTENT

**/10 pts.**

10 pts	<ul style="list-style-type: none"><li>✓ Includes accurate (correct) information related to the topic of study.</li><li>✓ Includes at least 2 native species (one predator; one prey) and one non-native species.</li><li>✓ Game is based on research on the topic of study; at least 3 sources cited.</li><li>✓ Game accurately simulates the consequences of introducing a non-native species into the habitat.</li></ul>
8 pts	<ul style="list-style-type: none"><li>✓ Includes accurate (correct) information related to the topic of study.</li><li>✓ Includes at least 2 native species (one predator; one prey) and one non-native species.</li><li>✓ Game is based on research on the topic of study; at least 3 sources cited.</li><li>✓ Game somewhat accurately simulates the consequences of introducing a non-native species into the habitat.</li></ul>
6 pts	<ul style="list-style-type: none"><li>✓ Includes mostly accurate (correct) information for their assigned topic of study.</li><li>✓ Includes at least 2 native species (one predator; one prey) and one non-native species.</li><li>✓ Game is based on research on the topic of study; at least 2 sources cited.</li><li>✓ Game somewhat accurately simulates the consequences of introducing a non-native species into the habitat.</li></ul>
4 pts	<ul style="list-style-type: none"><li>✓ Includes some accurate (correct) information for their assigned topic of study.</li><li>✓ Includes at least 2 native species (one predator; one prey) and one non-native species.</li><li>✓ Game is not based on research on the topic of study; no sources cited.</li><li>✓ Game does not accurately simulate the consequences of introducing a non-native species into the habitat.</li></ul>

### SPELLING & CONVENTIONS

**/5 pts**

Score	
5 pts	<ul style="list-style-type: none"><li>✓ There are no spelling or grammatical errors.</li></ul>
4 pts	<ul style="list-style-type: none"><li>✓ There are 1 – 2 spelling or grammatical errors.</li></ul>
3 pts	<ul style="list-style-type: none"><li>✓ There are 3 – 4 spelling or grammatical errors.</li></ul>
2 pts	<ul style="list-style-type: none"><li>✓ There are 5 – 6 spelling or grammatical errors.</li></ul>
1 pt	<ul style="list-style-type: none"><li>✓ There are more than 6 spelling or grammatical errors.</li></ul>

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### CREATIVITY /5 pts

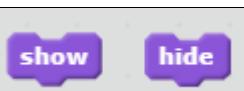
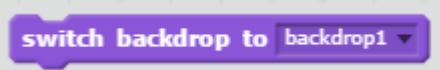
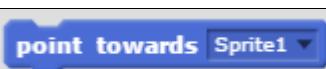
Score	
5 pts	<ul style="list-style-type: none"><li>✓ Project includes at least 3 extra elements (blocks, backdrops, scripts, images, sounds, animations, motions, etc.) or interactive features beyond what is required.</li><li>✓ Project is unique and different from the sample project but still meets all requirements.</li></ul>
4 pts	<ul style="list-style-type: none"><li>✓ Project includes at least 2 extra elements (blocks, backdrops, scripts, images, sounds, animations, motions, etc.) or interactive features beyond what is required.</li><li>✓ Project is unique and different from the sample project but still meets all requirements.</li></ul>
3 pts	<ul style="list-style-type: none"><li>✓ Project includes at least 1 extra elements (blocks, backdrops, scripts, images, sounds, animations, motions, etc.) or interactive features beyond what is required.</li><li>✓ Project is unique and different from the sample project but still meets all requirements.</li></ul>
2 pts	<ul style="list-style-type: none"><li>✓ Project is somewhat different from the sample project but still meets all requirements.</li></ul>
1 pt	<ul style="list-style-type: none"><li>✓ Project is minimally different from the sample project but still meets all requirements.</li></ul>

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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).

<b>EVENT BLOCKS</b>		
____/1 pt.	When green flag clicked	
____/1 pt.	When this Sprite clicked	
____/1 pt.	Broadcast a Message	 
____/1 pt.	When Backdrop Switches	
<b>LOOKS BLOCKS</b>		
____/1 pt.	Say Something	
____/1 pt.	Show/Hide Sprite	
____/1 pt.	Switch Backdrop	
<b>MOTION BLOCKS</b>		
____/1 pt.	Go to..	
____/1 pt.	Point Towards	
____/1 pt.	Glide	