

Names: \_\_\_\_\_

Date: \_\_\_\_\_

HR: \_\_\_\_\_

## Potato-Animal Project

Your challenge is to create a potato-animal that can not only survive in a specific habitat, but *thrive*! You will be given an environment description, grading rubric, and building materials; you will provide the information and creativity!!!

*This assignment will be completed in class, although you will be responsible to do the reflection for homework.*

### Materials:

- Potato cut-out
- Building materials (craft supplies)
- Habitat description

### **Step 1:**

Get your Assignment Description/Rubric signed by a parent here: \_\_\_\_\_

### **Step 2:**

Read through the habitat description with your partner. Brainstorm what adaptations, behaviors, and lifestyle your potato-animal will have. (scratch paper)

**Step 3:** *Fill out the Information Chart (completed together)*

**Step 4:** *Build/Design your potato-animals (juvenile and adult)*

**Step 5:** *(final steps of the group component)*

>Create a dating advertisement for your potato-animal

>Create a short presentation to explain the awesomeness of your potato-animal *(1-2 minutes)*

**Step 6: Reflection** *(done individually, 1-2 pages double-spaced)*

### **Part 1: Summary (not opinion-based)**

> How does your potato-animal behave for survival success and reproductive success?

Consider: sleep patterns, aggression, mating behaviors, parenting, and adaptations. This is your time to brag about what makes your organism so special and well-adapted to this habitat type.

### **Part 2: Reflection**

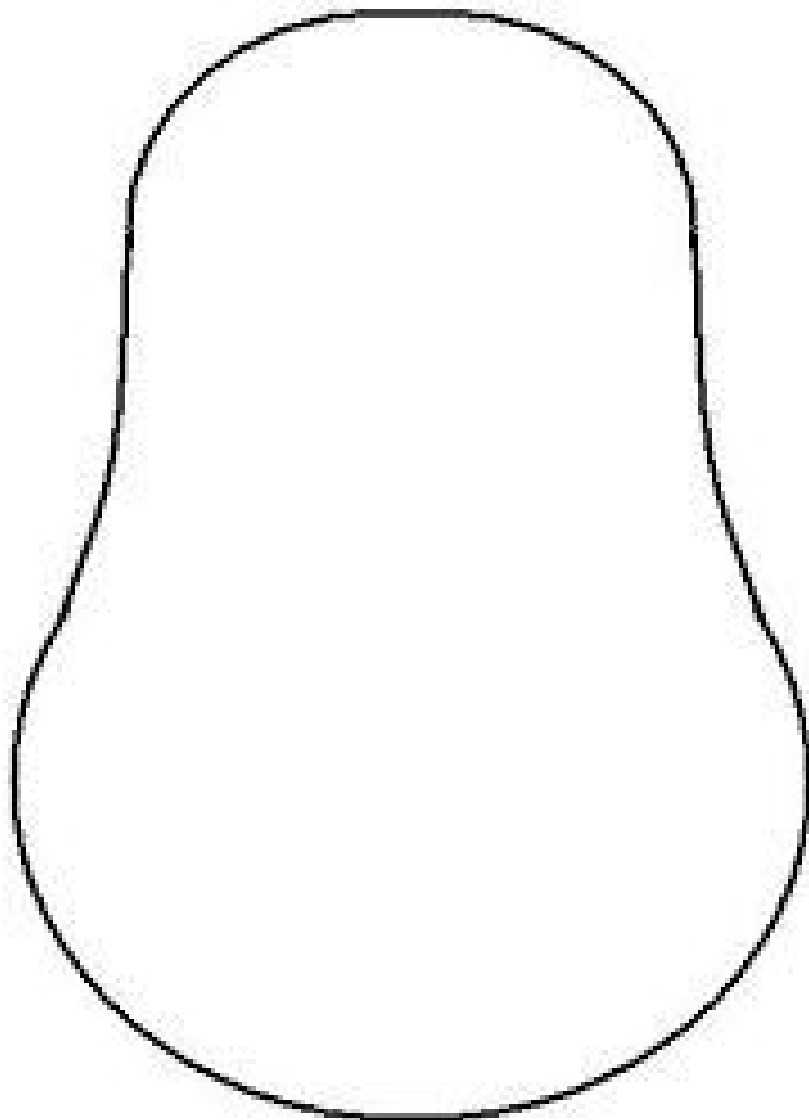
> How did the design process go and how did the team work together? What parts did you enjoy the most? If you could do this project again, what would you do differently? If you could make this project better, what you you do/change/add/remove?



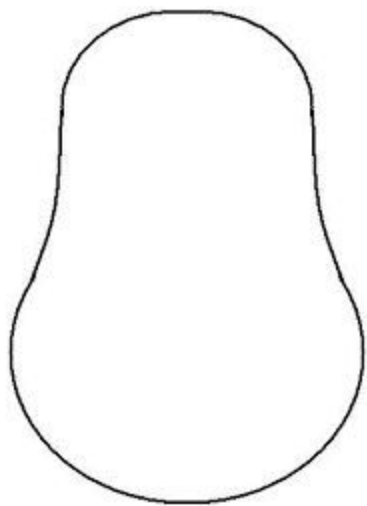
## Grading Rubric

Criteria	4 includes...	Point Value Range
<i>Parent Signature (homework)</i> Due: _____	A parent signature is turned in on the assignment sheet	5
<i>Brainstorming (in class)</i> Due: _____	<b>Careful thought is paid to the assigned habitat.</b> Students have planned out an “animal” that is <b>fit</b> enough to thrive in a specific type of ecosystem. <u>Brainstorm includes:</u> -proposed sketch of the potato-animal. -explanation of adaptations and behaviors	0-10
<i>Build &amp; Clean Up (in class)</i> Due: _____	The potato-animal shows <b>considerable effort and creativity. Design elements are unique</b> and are essential in the potato-animal’s survival.	0-10
<i>Information Chart (in class)</i> Due: _____	While presenting to our class, the team thoroughly addresses <b>how this potato-animal behaves for survival success and reproductive success.</b>	0-15
<i>Dating Advertisement (in class)</i> Due: _____	Create a short, written advertisement that is “written by your potato-animal.” This ad should be about 1 paragraph long and should address the qualities your animal is looking for in a mate. (ex: looking for a mate with sharp claws, etc...)	0-10
<i>Presentation Skills (in class)</i> Due: _____	Students <b>contribute</b> to the team’s presentation to the class. Students use a loud, <b>speaking voice and make eye-contact</b> with the audience.	0-5
<i>Summary &amp; Reflection</i> Due: _____	<b>Student reflection fully explains:</b> -How their potato-animal behaves for survival success and reproductive success. -How the design process went and the team’s collaboration effort. What they would change if they could do this project again. How to make this project better.	0-15

/ 70 points



(Adult)



(Juvenile)

## Information Chart

How is your animal born? (egg, live)	
Sexual or Asexual Reproducer?	
How many babies per birth?	
Juvenile coloration	
Juvenile Diet	

Life Span	
Adult Coloration	
Adult Diet	
Mating Behavior	
Sleeping/Hunting Behaviors (nocturnal or diurnal)	

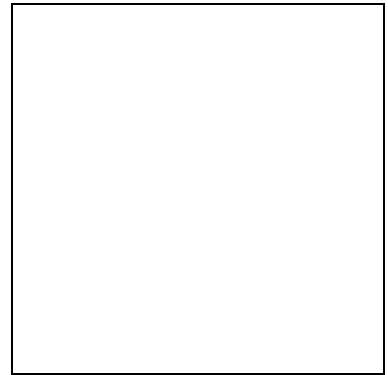
Level of Aggression	
Parenting Behavior	
Terrestrial or Aquatic?	
Specialized Features	
Future Outlook (population stability)	

## Dating Advertisement

Write a (school appropriate) dating advertisement on behalf of your potato-animal. Think about what features and behaviors your adult animal is looking for in a mate. Please have fun with this section of the project and PLEASE make sure you keep it classy.

(title)

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(picture of your animal)