

Answer the questions

What is modeling?

What type of modeling did you do in the last project?

Objectives

- Students will identify and practice the skill of modeling in order to start creating amazing comic books.

Modeling Workshop



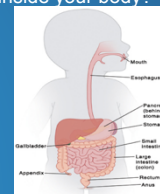
you mean there's more to life than just being really really good-looking?

Just Kidding.....We're Doing a Different Modeling

We're talking about models that give us information!



For example, how do you know what's inside your body?



What Is a Model?

Modeling: representing and translating concepts with **visual representations**, symbols, or 3D models.

Level 4
Identifies specific components of a concept and develops an **accurate** visual and/or model to represent most **key features**.



Golden Gate Bridge Model

Why Do Scientist Use Models?

- Visualize concepts that are complex, very large, or even very small
Ex. Solar System, Cells, DNA
- Observe tests on a smaller scale before you build the real thing
Ex. Bridge Designs



The Rubric


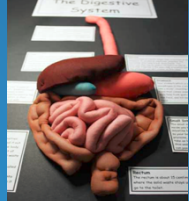
2	3	4
Identifies surface level components of a concept and develops an accurate visual or model; key features of the concept are missing or only partially represented. OR Most key features are represented, with inaccuracies	Identifies general components of a concept and develops a partially accurate visual and/or model to represent some key features.	Identifies specific components of a concept and develops an accurate visual and/or model to represent most key features.

What is a Level 4 Model?

- Accurate (REAL - what you actually see!)
- Details & Key Features (additions that make it true to life - names, labels)
- Specific Components (extra information that is unique to the model - more description)



Which One is Better? Why?

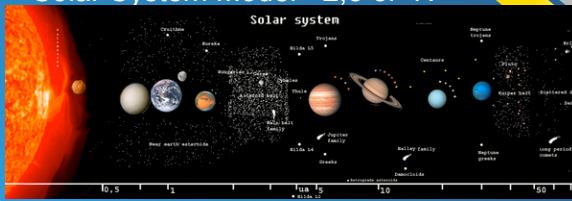



Accurate?

Details?

Specific Components?




Solar System Model - 2,3 or 4?

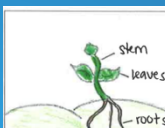
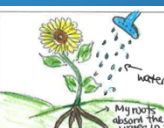
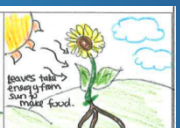



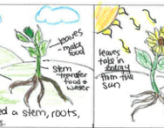

How Will You Model With Your Comic Book?

- **Accurate** - the comic displays a true representation of the feature
- **Details** - the comic has labels and extra description to help you learn
- **Specific Components** - Shows what happened before, during, and after

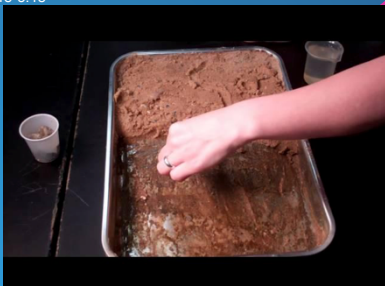
The Rubric - Comic Book		
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<ul style="list-style-type: none"> o Bare minimum of concept o Little to no labels o Does not make past or future connections 	<ul style="list-style-type: none"> o General idea of concept o Some labels (might be incorrect) o Attempts to make make past or future connections 	<ul style="list-style-type: none"> o Clear representation of concept o Labels & extra descriptions o Makes connections to past and future actions

2	3	4
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 <p>It's great being a flower! I'm outside all day!</p>	 <p>My stem helps me stand up and when I bloom, I look so pretty.</p>	 <p>"I get my energy from the sun to help me make food."</p>

2	3	4
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 <p>It's great being a flower. I have a stem, leaves, and roots.</p>	 <p>All these parts help me grow and make food.</p>	 <p>with water and the sun's energy, I make food and grow!</p>

2	3	4
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 <p>I started like a little seed...</p>	 <p>roots absorb nutrients</p> <p>I developed a stem, roots, and leaves.</p> <p>leaves make food</p>	 <p>leaves help absorb water from the soil</p> <p>I held water, sunlight, and air to live.</p> <p>Without sunlight or water, I am not able to survive</p> <p>To be continued.</p>

Minute 4:18-5:18



To Submit Your Comic....

1. Open Google Drive
2. Click "shared with me"
3. Look for "Assignment: Modeling Practice"
4. Move document into "geology" folder
5. Open document



How to take the PICTURE

1. Click "Insert"
2. Select "Image"
3. "Take a Snapshot"
4. Take a picture of your comic
5. Click "Select"

YOU DID IT!

Reflection

How do you feel about your skill in modeling?

What did you do well?
How can you improve?

