Scientific Models Rubric

Level	Description of Level of Understanding

4	Has a complete and detailed understanding of the topic:
	• Scientists use models to study objects and how things work, especially things that are too small or too large to easily see in the real world.
	• When using models, you should consider:
	    o what is the purpose of the model/what does the model show;
	    o how well the model shows or represents the real thing; and
	    o how is the model unlike the real thing/does the model misrepresents some of the real thing.
	• A model represents something in the real world (ex: maps, globes, pictures, diagrams).
	Does not have any misconceptions about the topic.

3	Has a complete but not detailed understanding of the topic:
	• Scientists use models to study objects and how things work, especially things that are too small or too large to easily see in the real world..
	• When using models, you should consider:
	    o what is the purpose of the model/what does the model show;
	    o how well the model shows or represents the real thing; and
	    o how is the model unlike the real thing/does the model misrepresents some of the real thing.
	• A model represents something in the real world (ex: maps, globes, pictures, diagrams).
	Does not have any misconceptions about the topic.

2	Has an incomplete understanding of the topic and/or has some misconceptions about the topic.
1	Understanding of the topic is incomplete and contains significant misconceptions.