

SCIENCE MODEL - GRADE SHEET

Name(s): _____

			Possible Marks
1	Model Title	Really? Do I have to explain this?	/1
2	Identify Model	Identifies the model that will be studied. (ex. The following is a model which outlines the process of meiosis)	/1
3	Context for Model	Short introduction of model, why is model important, give context for model. (ex. Meiosis is a process used to create cells that will eventually transfer genetic material to offspring via sexual reproduction, it will create cells with half the amount of chromosomes as...)	/2
4	Model Components	Components of model bare resemblance to the process/topic/object being discussed. Details are properly shown. Ask yourself; visually does my model communicate the shape and size correctly. (ex. model of a human cell should look oblong with a round nucleus, bean shaped mitochondria, pancake like golgi complex)	/4
5	Model Accuracy	Model clearly represents scientific concept, with no missing components, implemented in the proper order. (ex. Meiosis is shown in proper order)	/6
6	Labelling	Model may be accompanied by a carefully designed diagram or legend. If no legend then the model is properly labelled. Each component should have a written description accompanying it.	/4
8	Real World Connection	Connect the model in with a real world topic/problem/situation, why is this model important, where can you apply this knowledge to your every day life? (Have 3 real world connections) (ex. Mitochondria labelled here, are the powerhouse of the cell, it has been shown that excercise increases the amounts of mitochondria)	/3
9	Construction	The model is carefully constructed with proper materials that showcase student's creativity. (ex. No loose components falling off the model, half painted, barely glued on)	/2
10	References/Sources	<ul style="list-style-type: none"> Where did you get the information to explain your model? Facts are properly sourced throughout the model. A bibliography/reference section is provided with the model. (ex. Westcastle Development, 2017. https://sites.google.com/a/uAlberta.ca/wildlife-impacts/home/recreational-and-agricultural-impacts/the-proposed-westcastle-development)	/3
11	Neatness & Organizations	Model elements are properly labelled, layed out and organized into a logical order. Models should be neat (free of scribbles, errors and mistakes).	/2
12	Grammar	There are no grammatical mistakes or spelling errors. Proper use of paragraphs, number/bullet lists.	/2
	TOTAL		/30