

# 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/topic 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, why should anyone care or be interested in the 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 Topics	Model is broken down into its subtopics outlining specific details about the model. Atleast 3 subtopics!  (ex. model of a human cell should also include a breakdown of the cell into specific organelles) (ex. model of volcanos should also include a breakdown of parts of a volcano, subduction, and dangers of a volcano)	/6
5	Model Accuracy	Model clearly represents scientific concept, with no missing components, implemented in the proper order. Components of model bare resemblance to the process/topic/object being discussed  (ex. Meiosis is shown in proper order) (ex. Model of volcano/ subduction should resemble a volcano)	/4
6	Labelling	Model may be accompanied by a carefully designed diagram or legend. <b>If no legend then the model is properly labelled.</b> Each component should have a written description accompanying it.	/4
7	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? <b>(Have 3 real world connections)</b>  (ex. Mitochondria labelled here, are the powerhouse of the cell, it has been shown that excersise increases the amounts of mitochondria)	/6
8	References/ Sources	<ul style="list-style-type: none"> <li>• Where did you get the information to explain your model?</li> <li>• Facts are properly sourced throughout the model. A bibliography/reference section is provided with the model.</li> </ul> (ex. Westcastle Development, 2017. <a href="https://sites.google.com/a/ualberta.ca/wildlife-impacts/home/recreational-and-agricultural-impacts/the-proposed-westcastle-development">https://sites.google.com/a/ualberta.ca/wildlife-impacts/home/recreational-and-agricultural-impacts/the-proposed-westcastle-development</a> )	/2
9	Neatness, Organization & Creativity	The model is carefully constructed with proper materials that showcase student's creativity. Model elements are properly labelled, layed out and organized into a logical order. Models should be neat (free of scribbles, errors and mistakes). No pieces hanging loosely.	/2
10	Grammar	There are no grammatical mistakes or spelling errors. Proper use of paragraphs, number/bullet lists. (0.5 marks off per grammatical error)	/2
<b>TOTAL</b>			<b>/30</b>