

# SCIENCE MODEL - GRADE SHEET

Name(s): \_\_\_\_\_

			Possible Marks
1	Model Title	Really? Do I have to explain this?	/1
2	Introduction & Context For Model	<ul style="list-style-type: none"> <li>- Short introduction of model (what am I looking at?)</li> </ul> (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
3	Model Topics	<ul style="list-style-type: none"> <li>- Write up of model is broken down into its subtopics</li> <li>- Each subtopic outlines <u>specific details</u> about the model</li> <li>- <b>At least 3 subtopics!</b></li> </ul> (ex. model of a human cell subtopics could be: nucleus, cell wall, mitochondria) (ex. model of volcanos subtopics are: parts of a volcano, subduction, and dangers of a volcano)	/3
4	Model Accuracy	<ul style="list-style-type: none"> <li>- Model clearly represents scientific concept</li> <li>- No missing components, implemented in the proper order.</li> <li>- Components of model <b>bare resemblance</b> to the process/topic/object being discussed</li> </ul> (ex. Meiosis is shown in proper order) (ex. Model of volcano/ subduction should resemble a volcano)	/3
5	Labelling	<ul style="list-style-type: none"> <li>- Each component is labelled properly</li> <li>- Model is accompanied by a legend if needed</li> <li>- Each component should have a written description accompanying it.</li> </ul>	/3
6	Real World Connection	<ul style="list-style-type: none"> <li>- <u>Connect</u> the model in with a real world topic/problem/situation.</li> <li>- Why is this model important, where can you apply this knowledge to your every day life?</li> <li>- At least <b>3 real world connections</b></li> </ul> (ex. Mitochondria labelled here, are the powerhouse of the cell, it has been shown that exercise increases the amounts of mitochondria (source, 2019))	/6
7	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
8	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.	/3
9	Grammar	There are no grammatical mistakes or spelling errors. Proper use of paragraphs, number/bullet lists. <b>(0.5 marks off per grammatical error)</b>	/2
<b>TOTAL</b>			<b>/25</b>