|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Category | 4 | 3 | 2 | 1 |
| Scientific knowledge | Explanations by all group members indicate a clear and accurate understanding of scientific principals  | Explanations by all group members indicate a relatively accurate understanding of scientific principals | Explanations by most group members indicate relatively accurate understanding of scientific principles | Explanations by several members of the group do not illustrate much understanding of scientific principles  |
| Information gathering | Accurate information taken from several sources in a systematic manner | Accurate information taken from a couple of sources in a scientific manner | Accurate information taken from teachers provided sources | Information inaccurate or missing |
| Construction: materials | Appropriate materials were selected and creatively modified in ways that made them even better | Appropriate materials were selected and there was an attempt at creative modification to make them even better | Appropriate materials selected | Inappropriate materials were selected and contributed to a product that performed poorly |
| Construction: care taken | Great care was taken in the construction process so that the structure is neat, attractive and follows plans accurately | Construction was careful and accurate or the most part but a few details could have been refined for a more attractive product | Construction accurately followed the plans but many details could have been refined for a more attractive product.  | Construction appears careless and haphazard. Most details need refinement for a strong or attractive product.  |

# Flower Creator Mini Project

# Due: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Students will create and present to the class, a 3D representation of a imaginary flower meeting the sophisticated needs of their chosen pollinator.

Presentations must be 2 minutes long, carried out by ALL group members and speak to:

1. Who the pollinator is and its unique features
2. Adaptations of the flower to the pollinator
3. The path of the pollen to ensure successful reproduction