

Group Member(s): \_\_\_\_\_ Date: \_\_\_\_\_

## Penguin Problem Checklist

Item Name	Item Description	Group Member Contribution	Conference Feedback	Completed (Y/N)
<b>Research Questions/Answers</b>	10-15 Research Qs and Responses			
<b>Criteria List</b>	10-15 Criteria List			
<b>Penguin Problem Blueprints</b>	2 Blueprint Designs + Materials List			
<b>Google Sketchup</b>	3D Sketchup 1 Design			
<b>Budget Sheet</b>	1 Detailed Budget Sheet			

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<b>Presentation</b>	Google Slides Presentation (online) includes: Script Prototype shared Scaled up Design Budget for 1 penguin problem construction			
<b>Self- Assessment</b>	Google Form (online)			
<b>Group Assessment</b>	Google Form (online)			
<b>Media Project</b>	Media Poster/Project			

Group Member(s): \_\_\_\_\_ Date: \_\_\_\_\_

**SAMPLE of Penguin Problem Checklist with Student and Teacher Feedback (Partial)**

Item Name (Provided by Teacher)	Item Description (Provided by Teacher)	Group Member Contribution (Completed by Students)	Conference Feedback (Completed by Teacher)	Completed (Y/N) (Completed by Teacher)
<b>Research Questions/Answers</b>	10-15 Research Qs and Responses	Student 1: 4 questions-Answered: 5 questions Student 2: 3 questions-Answered: 5 questions Student 3: 3 questions-Answered: 2 questions Student 4: 3 questions-Answered: 1 questions	Focus on clarifying your questions as a group and answering open-ended questions. Time management is imperative in this project. Focus on organization, being critical of each other's work and deeply thinking of the how your questions and criteria list link to the overall problem.	Yes, revised questions to meet the needs of the overall problem and potential solutions.
<b>Criteria List</b>	10-15 Criteria List	Student 1: 3 successful questions Student 2: 4 successful questions Student 3: 3 successful questions Student 4: 4 successful	Your group has demonstrated some collaboration in identifying look-forsi in your criteria list. Focus on utilizing language that clearly identifies the criteria you are using to measure the success of your overall final model. Continue to refine your criteria list, consider collaborating with neighbouring groups.	Yes, final criteria list is clear. Ready to share with class for a co-created success criteria.
<b>Penguin Problem Blueprints</b>	2 Blueprint Designs + Materials List	Student 1: 2 designs-Helped Student 2 w/ 1 design-Typed Material list. Student 2: 1 design-Helped Student 3 w/ 1 design Student 3: Helped Student 1 w/ 1 design Student 4: Helped Student 3 w/ 1 design	Designs are a good starting point. Be sure to include a complete materials including how the materials selected will fall within the allocated budget.	Yes, modifaicions will be applied to 3D model.