

Paper Airplane Design Challenge

1. Title Page /6 marks (1 mark per requirement)

Organized Layout
Student Name
Assignment Name - Paper Airplane Design Challenge
Course - TIJ100
Date of Submission
Teacher Name - Mr. Snyder

2. Written SPICE Report

In your own words explain in full sentence structure how you followed each stage of the SPICE process

Your answers must relate to the SPICE throughout the report

Situation /2 marks - 1 sentence

Problem /4 marks -

What problems or restrictions are you facing with this challenge?
Remember to include scientific factors

Investigate /12 marks

2 paragraphs

Describe your research stage and how you determined which designs to build

Include Photos of your 3 designs

Use supplied chart - include photos & describe what makes each design unique

Decision Matrix **/8 marks** (2 marks for each component)

Include:

3 designs

3 Criteria Minimum

Rating for each design in each criteria

Final rating scores

Construct /5 - 1 -2 paragraphs

Describe your construction of your final design

Evaluation /5 - 1- 2 paragraphs

Describe your evaluation process o your designs.

What steps is you did you take to test and improve your final design?

5. Critical Analysis questions - answer the following with full sentence structure: /8 marks (2 marks per question)

1. What did I do well on this challenge? How is this shown?
2. What areas could be improved and how can I accomplish this?
3. What did I learn that I did not know before?
4. What would I change if I had the opportunity to start over?



Total: /50