

Flight

PS HELO Assignment #7 – Flight part two

Complete the following and submit via Edmodo. Include subheadings.

Evaluation of the solution: Was your solution to the problem successful? How do you know? Explain the criteria you used to judge the success of your solution, as well as what you might do to improve it even more.

Reflection: Answer the following questions, then summarize what you learned by doing this ELO project.

Questions:

- 1) What is the role of air in enabling an aircraft to fly?
- 2) How does the shape of an aircraft's wing create lift?
- 3) Define roll, pitch, and yaw, and explain how different aircraft parts affect these movements.
- 4) What are the four forces that act on an airplane in flight? How does each one affect an aircraft's motion?
- 5) What are Newton's Three Laws of Motion, and how does each one help explain how an airplane flies?
- 6) How do gliders differ from airplanes?
- 7) What did you learn by doing this project?

Recommended: Include diagrams to help you explain how the terms relate to your glider. You can draw these by hand, then photograph them and paste them into your document. Many apps, such as Snapchat, will allow you to label a photo you take with your phone.