

Aviation Projects Class- Syllabus

La Conner School District

Mr. Cicotte

Aviation Projects- is a semester long class that will introduce students to the fundamentals of flight and and require them to construct a series of flying model aircraft from plans. This series will begin with simple models and increase in complexity and performance with each new design.

Objectives: Students will:

- use diagrams and read technical writing to construct functional and successful models
- accurately measure and cut materials to high tolerances to construct functional and successful models models
- use scientific inquiry in an attempt to solve practical problems
- record the process of scientific investigation including questions, design ideas, predictions. model diagrams, and results
- investigate the forces that act upon machines of any kind

Sample Course Vocabulary/Concepts:

aileron	cross section	flight	motor	receiver
airfoil	dihedral	fuselage	pitch	ribs
balance	dive	gear box	plans	rudder
BEC	drag	gravity	propeller	spars
center of gravity	elevator	landing gear	push rods	stability
channel	ESC	leading edge	radio	thrust
control horn	fin	lift	range	trailing edge

Grading:	Class Projects	40%
	Assignments/Quizzes	30%
	Weekly Progress and Effort	30%

Grade Scale:

- 94%-100%= A
- 90%-93%= A-
- 87%-89%= B+
- 84%-86%= B
- 80%-83%= B-
- 77%-79%= C+
- 74%-76%= C
- 70%-73%= C-
- 67%-69%= D+
- 64%-66%= D
- 50%-63%= D-
- 0%-49%= F