

DO NOT MAKE THIS INTO A PAPER AIRPLANE!!!

Pass in this sheet
with your
answers and
drawings.

Aviation History Challenge

Assume that you and your team members are living in the 19th century (1801 – 1900). Your mission is to create a vehicle that can fly. With no concept of the Wright Brothers or any other modern day knowledge of aviation, your team has 15 minutes to answer the following:

1. How will your “air vehicle” achieve lift?
2. What will propel it once in the air?
3. What will be its primary source of energy?
4. What position will the driver of the vehicle be in?
5. What kind of wing will the vehicle have?
6. What will be the shape of the wing(s)?
7. How large will the craft be?
8. How will your craft turn and climb once airborne?
9. How fast will this vehicle fly?
10. What materials will be used to manufacture this aircraft?

Team Members/Jobs

Name	Job
#1 _____	
#2 _____	
#3 _____	

Within your team, elect one person to record the answers to these questions as you brainstorm. The answers will be presented for your presentation. Then, your group must create three-view drawings of your aircraft. Have one person draw a top view, one draw a side view, and one draw a front view. Your team will have **15 minutes to complete your drawings** that must match your answer to the ten questions above.

Upon completion, each team will present to the class their answers and diagrams. Your team will have 4-5 minutes for your presentation.

Grading will be based upon the following:	max. pts.	Score
Originality – your design reflects no known aircraft	(33 pts)	_____
Three-view accuracy - each drawing looks like the same plane	(33 pts)	_____
Realism – your design appears as if it may work	(34 pts)	_____
Grade		_____