**Guiding Questions**

What are the forces needed to get an airplane to fly?

What would happen to the flight of an airplane if those forces were not perfectly balanced?

How does design affect the flight of an airplane?

M.S. - How can I build a glider that will achieve the longest flight time during a competition?

H.S. - How can I build a glider that will be able to make a right turn and land as close as possible to a target during a competition?