

# LESSON PLAN

Grade: 3rd-7th

Subject: Engineering

Date: 10/20/23

Topic: Aircraft Invention and Design

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**Lesson Focus and Goals:** Engineering aircraft to fly better and how the Wright Brothers' had inspiration for other inventors and engineers.

**Materials Needed:** Popsicle sticks, paper, wax paper, aluminum foil, card stock, printer paper, straws, pipe cleaners, paper clips, glue, tape, yarn. Or any assorted craft items

**Learning Objectives:** To use trial and error to design a better paper airplane.

**Structure / Activity:** Using the "Just Winging It" PowerPoint, show the progression of humans learning to fly. Follow up with students either working together in groups or by themselves to attempt to design their aircraft. Do at least 1 tests flight and allow them to see where their airplanes have faults and help them learn to fix them. This is a free play activity.