



Teacher \_\_\_\_\_

Grade \_\_\_\_\_

Date \_\_\_\_\_

Iditarod Area School District

**Writing Activities**

- Write at least one historical report on an aircraft which had historical and technological significance.
- Take notes in class daily, use for daily quizzes.
- Write 2 person Narrative Poem
- Write Script for iMovie Trailer
- Write script for local play about the first airmail service.

**Reading Activities:**

- Read historical information about different airplanes representing different periods of time.
- Read directions for building de Havilland DH-4M
- Read directions for building gliders, rockets, models

**Technology Activities:**

- Participate in classroom activities involving assembly and disassembly of various aircraft engine parts, including: Carburetor, Fuel Pumps, Oil Filters.
- Use iMovie program to produce an iMovie trailer

**Mathematics Activities:**

- Calculate rocket trajectory, airspeed, weight and balance of aircraft, etc.
- Build models to investigate and solve problems.

**Arts Activities:**

- Construct at least one model airplane.
- Examine items of aviation art; create water color paintings, cards, of local aircraft.
- Participat in Miska and the First Airplane Musical.

**Health/PE Activities:**

Discuss health factors that contribute to safe and unsafe flying: Physiology

**AVIATION  
UNIT  
7th-12th Grade**

**Science Activities:**

- Practice reading weather charts.
- Analyze the impact of various weather conditions on aircraft and safe flying.
- Discuss the theory of different types of aircraft engines.
- Discover the science of how airplanes Fly, how engines work, Bernoulis Principle.
- Use scientific inquiry to solve aviation problems, re: oils, sparkplugs, fule pumps, etc.

**Community Service Activities:**

Screen iMovie Trailers  
Display Water Colors art in local Aviation display at the McGrath Museum

**Community Resource Guests:**

Visit local pilots, weather service observers, airport runway maintenance technicians, etc.

**Career Development Activities:**

Investigate careers in aviation through interviews of local aviationsls.

**Social Sciences Activities:**

Evaluate through research, the significance of aviation development on history, incuding the impact of aviation on local history.