



12th Grade Aviation STEM Curriculum Materials – Semester 2: PILOT

Unit 5 - What is a Capstone?

Lesson 5.A.2 Managing the Capstone

Student Activity 1

- 16-20 ft of rope per group (4 ft per group member)
- 4-5 blindfolds per group
- Timer or stopwatch

Lesson 5.B.1 The Research Notebook

- A ruled, bound composition book to serve as a research notebook (one per student)

Lesson 5.B.2 Conducting Educational Research

Teacher Notes 3

- Hat or other opaque container

Unit 6 - The Formal Proposal

Lesson 6.A.2 Professionals in the Field

Warm-Up

- Strips of paper with the names of foreign languages
- Opaque container
- Translation tool such as Google Translate (per student)

Unit 7 - Collecting the Data

Lesson 7.A.3 Deciphering the Data

Student Activity 1

- Chart paper (large sheet per group)
- Markers of several different colors (per group)

For many lessons, an internet-connected computer or mobile device is also required.

PROPRIETARY