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.