

Flight Crew: Helper's Guide * The following lessons are designed for various ranges of groups from grades K-12

Lesson Title	Pg	Grade Level	Academic Standards	Activity Description
Launching aerospace meetings	8	8-12 3-12	1.4.8 D; 1.4.8.12 D 1.6.3 D; 1.6.5 D; 1.6.8 D; 1.6.11 D; 13.3.3 B; 13.3.5 B	Create a meeting calendar Work as a group to create a meeting calendar. Reflect on this activity
Aerospace quiz bowl	10	3-12	1.6.3 D; 1.6.5 D; 1.6.8 D; 1.6.11 D; 3.1.4 A; 3.1.7 A; 3.4.4 C; 3.4.7 C; 13.3.3 B; 13.3.5 B	Work as a group to plan, conduct and participate in a quiz activity about various aerospace subjects. Reflect on the activity.
Aircraft fire rescue	12	3-8 3-8	13.2.3 G; 13.2.8 G 1.6.3 D; 1.6.5 D; 1.6.8 D; 13.3.3 B; 13.3.5 B	Students role-play rescuing people from a mock aircraft with and without visual impairment. Reflect on the activity. Discuss and reflect on the activity
Afterburner	14	7-12	1.6.8 D; 1.6.11 D; 3.1.7 A	Students design their own aircraft then discuss
Top Gun	16	8-12	1.6.8 D; 1.6.11 D; 13.2.8 G; 13.2.12 G	Experience task saturation and discuss
Community airport field day	18	3-12	1.6.3 D; 1.6.5 D; 1.6.8 D; 1.6.11 D; 11.2.3 C; 11.2.6 C; 13.3.3 B; 13.3.5 B	Work as a group (possibly with other groups) to organize a community event at an airport
Flight 777	20	3-5	1.6.3 D; 1.6.5 D; 13.1.3 C; 13.3.3 B	Role-play an airplane in flight and the crew that helps make it possible
Aerospace experts	22	7-12	1.6.8 D; 1.6.11 D; 3.1.7 A; 3.4.7 C	Organize and play a quiz game
Traffic cop in the sky	24	8-12	1.6.8 D; 1.6.11 D; 13.1.8 A	Role-play being aircraft controllers. Reflect on the activity.
Space station skillathon	26	3-12	1.6.3 D; 1.6.5 D; 1.6.8 D; 1.6.11 D; 11.2.9 A; 11.2.3 C; 11.2.6 C; 13.3.3 B; 13.3.5 B; 13.3.8 B	Work as a group to plan, conduct and participate in a skillathon
Aerospace alphabets	28	3-12	1.6.3 D; 1.6.5 D; 1.6.8 D; 1.6.11 D; 3.1.4 A; 3.1.7 A; 3.4.4 C; 3.4.7 C; 13.3.3 B; 13.3.5 B	Work as a group to plan, conduct and participate in a quiz activity about various aerospace terms. Reflect on the activity.
Touring an airport	30	3-12	1.6.3 D; 1.6.5 D; 1.6.8 D; 1.6.11 D; 13.1.8 A; 13.1.11 A; 13.1.3 C	Plan an airport tour and learn about jobs related to the airport. Reflect on the activity.
Full of hot air	32	7-12	1.6.8 D; 1.6.11 D; 3.1.7 A & B	Build a model of a hot air balloon and fly it. Reflect on activity.

Academic Standards for Reading, Writing, Speaking and Listening met:

Types of Writing: 1.4.8 D; 1.4.11 D

Speaking & Listening: 1.6.3 D; 1.6.5 D; 1.6.8 D; 1.6.11 D

Academic Standards for Science and Technology met:

Unifying Themes of Science: 3.1.4 A; 3.1.7 A & B

Physical Science, Chemistry & Physics: 3.4.4 C; 3.4.7 C

Academic Standards for Family and Consumer Sciences met:

Balancing Family, Work and Community Responsibility: 11.2.3 C; 11.2.6 C; 11.2.9 A

Proposed Academic Standards for Career Education and Work met:

Career Awareness & Preparation: 13.1.3 C; 13.1.8 A; 13.1.11 A

Career Acquisition (Getting a Job): 13.2.8 G; 13.2.11 G

Career Retention & Advancement: 13.3.3 B; 13.3.5 B; 13.3.8 B