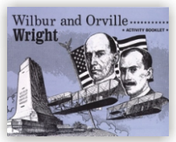
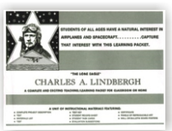
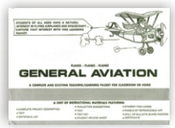
| MATERIALS | AGE GROUP | DESCRIPTION |
|---|---|---|
| Historical Aircraft Drawing Lessons from Aerospace History (dot -to-dot drawing book) | Kindergarten to Grade 6 | Elementary students learn about historical aircraft while joining the dots together to form the picture of the craft. |
|  Wright Brothers Activity Booklet | Kindergarten to Grade 6 | Various methods are used to teach elementary age students history, math, and a number of other subjects while learning about the Wright Brothers and the beginning of powered flight in a heavier-than-air craft. |
| Amelia Earhart Activity Booklet | Kindergarten to Grade 6 | Word fun, math, international quizzes, and secret codes are some tools used to teach elementary age students about Amelia Earhart's early life and later daring flights. |
| Charles Lindbergh Activity Booklet | Kindergarten to Grade 6 | Reading, word fun, geography, history, and math are some of the subject areas used in the activities to teach elementary students about the exciting and daring life of Charles A. Lindbergh. |
| Mini-Book of Logic and Puzzles | Kindergarten to Grade 6 | Aviation, space, solar system, and aviation pioneers are a few of the subjects covered in this booklet designed to help upper elementary students develop critical thinking skills. |

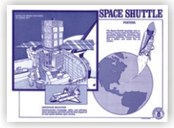
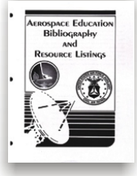
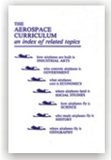
Civil Air Patrol Aerospace Education Members are provided, at no charge, copies of our curriculum materials. For information regarding CAP Aerospace Education Membership, contact Kathy Baucum by email at kbaucum@cap.gov, by phone at (334) 953-4213, or check out our web site at: ***www.cap.gov*** for membership information.

# CIVIL AIR PATROL

## Aerospace Education Member Curriculum Materials

| MATERIALS | AGE GROUP | DESCRIPTION |
|---|---|---|
| AEX I Hands-On Activity Book | Kindergarten to Grade 5 | Twenty-one hands-on, minds-on aerospace education activities for elementary students including Kites, The Helicopter, A Simple Cessna, and Space Food. |
| COMING SOON! AEX I Vol II | Kindergarten to Grade 5 | A hands-on activity book to supplement AEX I that includes: A Comet for the Littlest Astronomers, Sound Waves and How They Travel, Parachutes, Candy and the Great Uncle Wiggly Wings, and an Introduction to Robotics. |
| AEX II Hands-On Activity Book | Grades 6-12 | Twenty-one hands-on, minds-on aerospace education activities for secondary educators that include The Goddard Rocket, Cool Cartographics, hot air balloons, Lost on the Moon, and Hands On at the Space Station. |
| AEX II Vol II Hands-On Activity Book | Grades 6-12 | Fifteen hands-on, minds-on aerospace education activities for secondary educators that includes Scratch-Built Air Rocket, Building the International Space Station, Building the NASA Wind Tunnel, and Exercising in Space. |
| COMING SOON! AEX Activities Handbook for Senior Members | Senior Members 21 and older | Seventeen hands-on aerospace education activities for older students and adults including building a hovercraft, flying a sectional chart and building a radio-controlled Mars Spirit Rover. |
| Model Rocketry | Grades 6-12 | An achievement program for students interested in the science, technology, construction and flight of model rockets including historical facts, designing and building rockets of varying difficulty, and demonstrating knowledge of the National Association of Rocketry (NAR) safety code. |

| MATERIALS | | AGE GROUP | DESCRIPTION |
|---|---|---|---|
| | COMING SOON! International Space Station Thematic Unit | Middle School Students- Grades 6-9 | Twenty activities that cross the curriculum and extend knowledge of this outpost of microgravity with such offerings as observing Space Shuttle pictures of Earth, exploring careers associated with the International Space Station and learning to grow crystals. |
| | Wright Brothers: From Bicycles to Airplanes- Thematic Unit | Middle School Students- Grades 6-9 | A thematic unit with nineteen across the curriculum activities that will help students develop an understanding of the Wright Brothers' contributions in the field of manned flight in a heavier-than-air machine. |
| | Amelia Earhart Learning Packet | Middle School Students- Grades 6-9 | This packet includes posters and a booklet including a short text covering the life of Amelia Earhart, 18 task cards, covering the subjects of math, language, spelling, reading, values clarification, health, geography, science, art and music. |
|  | Charles A. Lindbergh Learning Packet | Middle School Students- Grades 6-9 | This packet includes posters and a booklet with a short text covering the life of Charles A. Lindbergh and 18 task cards. Math, reading, geography, values clarification, careers, and science, are many of the subjects taught using the aviation theme. |
|  | General Aviation Learning Packet | Middle School Students- Grades 6-9 | Twenty-four activities involving mathematics, social studies/history, language, speech, art, music and careers allow students to understand what general aviation is and the critical role it plays in our lives. |
| | Aeronautical (Concepts) Posters | All Ages | A four poster set that includes airplane components; fuselage structures; wing structure and empennage; and airfoil lift and forces of flight. |
| | Chronology of Aerospace Events Posters | All Ages | A five poster set with a chronology of aerospace events from 3500 B.C. to 1990. |

| MATERIALS | | AGE GROUP | DESCRIPTION |
|---|---|---|---|
| | Jet Engines Posters | All Ages | A three poster set with explanations of Pulsejets, Ramjets, Turbofans, Scramjets, Turbojets, and Turboprops. |
|  | Space Shuttle Posters | All Ages | A four poster set with missions and launch information through1997. |
|  | Aerospace Education Bibliography and Resource Listings | Teachers and instructors | A wide variety of various media resources relating to aerospace education. |
|  | The Aerospace Curriculum (an index of related topics) | Teachers and instructors | Alphabetical listing of subjects related to aerospace across the curriculum such as Industrial Arts, Government, Economics, Social Studies, Science, History, and Geography. |
| | 4-in-1 Activity Books (two volumes) | Pre-School | Color, read, experiment and learn about weather and principles of flight for primary students. |
| | Fun in Flight: Exploring careers in the Aerospace World Booklet | Kindergarten to Grade 6 | Read, color, match pictures, work puzzles, and other learning skills are used to teach primary students about various careers in the aerospace industry. |