

CONTENTS

| | |
|---------------------------|-----|
| Editor's Preface | i |
| Introduction | iii |
| Acknowledgments | iv |
| I. Air | |
| A. Air Above the Earth | |
| Sky | 1 |
| Air | 7 |
| Clouds | 12 |
| Balloons | 17 |
| Kites | 22 |
| Airplane Flight | 26 |
| B. Aviation Education | |
| The Theory of Flight | 33 |
| The First Flight | 39 |
| Famous Aviators | 44 |
| Airplane Parts | 48 |
| Airport | 53 |
| Aviation Careers | 58 |
| Helicopters | 63 |
| Aircraft Collage | 68 |
| II. Space | |
| A. Space Beyond the Earth | |
| Rockets | 73 |
| Space Shuttle | 79 |
| Space Station | 84 |
| Astronaut | 89 |
| Space Suits | 94 |

| | |
|---|-----|
| Trip to the Moon | 99 |
| Space Check | 104 |
| Planets | 110 |
| Constellations | 120 |
| Space Collage | 126 |
| B: Space Education Resources | |
| Aerospace Education Association | 130 |
| Cessna Aircraft Company | |
| Civil Air Patrol | 131 |
| Federal Aviation Administration | |
| NASA | 132 |
| Smithsonian National Air and Space Museum | 133 |
| III. Learning Resources | |
| Integrating Aviation into the Curriculum | 135 |
| Certificate of Completion | 146 |
| Vocabulary | 147 |
| Vocabulary Games and Activities | 148 |
| Resources in Aerospace Education | 149 |
| Appendix A: Famous Aviators | 151 |
| Appendix B: Moon Survival | 153 |
| Appendix C: Planet Information | 157 |