| Aviation Overvi                     | ew                    |                     |                                     |  |                                |   |                                   |                                   |                           |
|-------------------------------------|-----------------------|---------------------|-------------------------------------|--|--------------------------------|---|-----------------------------------|-----------------------------------|---------------------------|
| Grade                               | Kindergarten          | Grade 1             | Grade 2                             | Grade 3                                  | Grade 4                        | Grade 5                                     | Grade 6                           | Grade 7                           | Grade 8                   |
| General Themes                      | Animals that<br>fly   | Kites               | Hot Air<br>Balloons                 | Ealry Planes                             | Helicopters                    | Exploration<br>of<br>Canada's<br>North      | War time<br>aircraft              | Fighter jets                      | Commercial airliners      |
|                                     |                       | Evolution of Kites  | Evolution<br>of Hot Air<br>Balloons | Evolution of<br>Airplanes<br>(1900-1920) | Evolution of<br>Helicopters    | Evolution<br>of Bush<br>Planes              | WWII<br>Aircraft                  | Evolution of<br>Fighter Jets      | Zeppelin Air<br>Ships     |
| Aviation: Past-Present<br>Evolution | Parts of<br>Birds     | Leonardo<br>DaVinci | Mongolfier<br>Brothers              | Pioneers                                 | Igor Sikorsky                  | Pioneers                                    | Aviators                          | Chuck<br>Yeager                   | Pioneers                  |
|                                     |                       |                     |                                     | Four Forces<br>of Flight                 |                                |   |                                   | Power to<br>Weight                |                           |
| Flight Theory                       |                       | Gravity             | Properties<br>of Air                | Bernoulli's<br>Principle                 | Forces of<br>Flight            | Float<br>Planes                             | Weaponry<br>on Aircraft           | Wing Shape                        | Flight<br>Computers       |
|                                     |                       | Parts of<br>Plane   | Parts of<br>Plane                   | Parts of<br>Plane                        | Structure of<br>Helicopter     | Structures<br>of<br>specialized<br>Aircraft | Structure<br>and Design-<br>Metal | Avro Arrow                        | Weight and<br>Balance     |
| Aerospace Engineering               |                       | Structure of Kites  | Structure<br>of Hot Air<br>Balloon  | Structures of<br>Gliders                 |                                |   | Allied/Enemy<br>Aircraft          | Structure of<br>Fighter Jet       |                           |
|                                     |                       |                     |                                     | Storm<br>Development                     | Tornadoes<br>and<br>Hurricanes | Weather                                     | Instruments                       | Instrument<br>Use                 | Flight Planning           |
|                                     |                       |                     | Creation                            | Thunder &<br>Lightning                   | Navigation                     | Navigation                                  | Turbulance                        | Weather<br>Maps and<br>Charts     | Nav Canada                |
| Meteorology/Naviagtion              | Daily<br>Weather      | Wind                | of<br>Weather                       | Compass<br>Introduction                  |                                |   |                                   |                                   |                           |
|                                     | Day & Night           | Study of<br>Moon    | Phases of<br>Moon                   | Solar<br>System                          | Basic<br>Constellations        | Mars<br>Exploration                         | Roberta<br>Bondar                 | International<br>Space<br>Station | Rockets/Space<br>Shuttles |
|                                     | What is an astronaut? | Neil<br>Armstrong   | Julie<br>Payette                    | Sally Ride                               | Yuri Gargarin                  | Buzz<br>Aldrin                              |                                   | Chris<br>Hadfield                 | Jim Lovell                |
| Outer Space                         | Animals in<br>Space   |                     |                                     |  |                                |   |                                   |                                   |                           |