

## Is anything possible?

### Topic fact sheet – Up, Up and Away

#### Key terms:

|                    |                                                                             |
|--------------------|-----------------------------------------------------------------------------|
| <b>Flight</b>      | When something or someone flies through the air.                            |
| <b>Aeroplane</b>   | A powered flying vehicle.                                                   |
| <b>Solo</b>        | One person or thing alone.                                                  |
| <b>Atlantic</b>    | The name of an ocean.                                                       |
| <b>Pioneer</b>     | A person who is among the first to explore or settle a new country or area. |
| <b>Inventor</b>    | Someone who creates something new for a purpose.                            |
| <b>Achievement</b> | A thing done successfully with effort, skill, or courage.                   |
| <b>Engine</b>      | A machine with moving parts that converts power into motion.                |

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|     |                           |  |                                        |                                    |
| <b>Aeroplane</b>                                                                      | <b>Hot air balloon</b>                                                                                       | <b>Glider</b>                                                                       | <b>Helicopter</b>                                                                                                         | <b>Rocket</b>                                                                                                         |
| Planes are used for transporting people and goods. The first plane was flown in 1903. | The first hot air balloon to carry a person was made in 1783. They are the oldest form of flying technology. | A glider is an aircraft that soars through the air without the help of a motor,     | A helicopter can fly straight up and down, sideways, or backward. It can also spin around or hover motionless in the air. | The first rocket was built in 1925. In 1957 a rocket was used to launch the first spacecraft into orbit around Earth. |

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|  |  |                                     |                                                               |
| <b>Nellie Bly (1864-1922)</b>                                                        | <b>The Wright brothers (1867-1943)</b>                                                | <b>Amelia Earhart (1897-1939)</b>                                                                                        | <b>Elon Musk (1971 - present)</b>                                                                                                                  |
| Bly was a journalist who travelled around the world in 72 days.                      | Invented, built, and flew the world's first successful motor-operated aeroplane.      | Earhart was the first female aviator to fly solo across the Atlantic Ocean. Earhart disappeared during a flight in 1937. | A businessman who is involved in a company that makes electric vehicles, another company that make solar panels, and SpaceX, an aerospace company. |

