

The Wright Brothers : Special People : Year 3/4

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	To consider some qualities which made the Wright brothers an effective team.	Children will learn about how the brothers developed their aircraft, and consider the qualities which made them an effective team. They will then either work in pairs to 'invent' a product, or take part in team-building activities.	<ul style="list-style-type: none"> Can children suggest reasons why patience and perseverance are important qualities? Can children suggest reasons why explaining ideas to others is important? Can children work together effectively, and explain which qualities facilitate teamwork? 	<ul style="list-style-type: none"> Slides Challenge Card 1A/1B/1C Teacher's Notes (FSD... ? activity only) Drawing/Writing Frames (optional) Cue Cards (optional)
Lesson 2	To work scientifically, exploring ways of improving a paper glider.	Children will consider ways in which the brothers worked scientifically as they developed their aircraft. They will then explore ways in which a paper glider can be improved, working scientifically with a partner or in small groups.	<ul style="list-style-type: none"> Can children suggest ways in which they may work scientifically? Can children work scientifically while testing and improving a small-scale model? Can some children analyse statements made by others, using findings from tests to support their opinions of the veracity of these statements? 	<ul style="list-style-type: none"> Slides Worksheet 2A/2B Paper Glider Design 2A/2B/2C A variety of paper and card; scissors, sticky tape and glue; paper clips
Lesson 3	To work scientifically while making and testing a 'powered' glider, and while improving its flight.	Children will consider what it means to make a glider that has a 'stable' and 'consistent' flight pattern, and how they might improve, then test a glider design. They may then either make, improve and test paper gliders, or construct and test rubber band-powered model aircraft kits.	<ul style="list-style-type: none"> Can children ensure that their tests are 'fair'? Can children record measurements and note observations when conducting tests? Can children interpret their measurements and observations, making judgements and asking further questions 	<ul style="list-style-type: none"> Slides Worksheet 3A/3B Challenge Card 3 Hole punches; rubber bands; a variety of paper and card; scissors, sticky tape and glue; paper clips

