# Focus: Birds Overview - Lesson 2 "Life of Birds"



# Lesson plan 2 "Life of Birds" Focus: Birds



# Starter activities/engagement:

Birds and aeroplanes

Show children Sir David's introduction to the lesson, then watch the video on birds and discuss birds in flight (slide 1).

Look at pictures of early designs for aeroplanes – use slide 2 – what are the similarities between the two?

# Whole class teaching:

How does a bird fly? How do they withstand the pull of gravity? - use explanation slides 3-6.

How does a heavier bird like an albatross manage to take off? (may use YouTube video as example).

How does this relate to how an aeroplane takes off?

What features would help a paper aeroplane to fly? Introduce the term "streamlined" and look at photos of modern planes – use slide 7.

## Individual work:

Paper aeroplanes

Use planning templates – slides 8-12

Split children into mixed ability pairs.

Who can make the aeroplane which flies the furthest?

Get children to think of birds wings and draw out some different designs.

Teacher talks to pairs about which design they wish to try first and why.

Stop children and tell them that they are now going to make one design. Make available all necessary equipment.

Children make their favourite design. If they have time they could try a different design. Encourage trial and error – can they modify any elements to make it better?

Which of their designs worked best? Why?

<u>Competition</u> – each pair enters one plane into a whole class competition – fly each one – which plane flew the furthest?

Talk about how to make it a fair test (keep all elements the same except the plane).

### **Extension:**

Children can try different materials/mixture of materials and modify their original design to make it better.

### Plenary:

Whose plane went the furthest? Why? Examine the design.