

DISCOVERING GALAPAGOS

with



ZSL LONDON ZOO

Key Stage 2 Curriculum Links

Lesson 1. Tortoise trackers at ZSL



Science

Upper KS2 programme of study:

Working Scientifically

- planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- using test results to make predictions to set up further comparative and fair tests
- reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations
- identifying scientific evidence that has been used to support or refute ideas or arguments.

Year 6 programme of study:

Evolution and inheritance

- recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago
- recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents
- identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.



Maths

Year 4 programme of study:

Statistics

- interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.
- solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

Year 5 programme of study:

Statistics

- complete, read and interpret information in tables, including timetables.

Year 6 programme of study:

Statistics

- interpret and construct pie charts and line graphs and use these to solve problems

Lesson 2. Tortoise shapes and sizes



Science

Upper KS2 programme of study:

Working Scientifically

- recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs

Year 6 programme of study:

Evolution and inheritance

- recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago
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Maths

Year 3 programme of study:

Measurement

- measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)

Lesson 3. Introduction to Galapagos giant tortoises



Science

Year 6 programme of study:

Evolution and inheritance

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Geography

Year 6 programme of study:

Locational knowledge

- locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities

Human and physical geography

- describe and understand key aspects of:
 - physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle
 - human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water

Lesson 4. Science in the field



Science

Upper KS2 programme of study:

Working Scientifically

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Year 6 programme of study:

Evolution and inheritance

- recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago
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Lesson 5. A day in the life of a biologist



Science

Upper KS2 programme of study:

Working Scientifically

- reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations



English

Upper KS2 programme of study:

Writing

- identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own
- noting and developing initial ideas, drawing on reading and research where necessary

