

English and Science

Levers and pulleys investigation: Design and create a catapult

NC: Plan different types of scientific enquiry to answer questions, recognising and controlling variables where necessary.

NC: Record data and findings using scientific diagrams.

Materials

Learn about the life cycle of a butterfly. Compare this with the life cycle of animals previously studied.

NC: Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.

Design an advertisement for the Bug Hotel located in our allotment

NC: Note and develop initial ideas, drawing ideas on reading and research as necessary

NC: Identify the audience for and the purpose of the writing, selecting the appropriate form and using other similar writing as models for their own.

Create a classification key for the 5 invertebrate and 6 invertebrate groups

Create a food web for various different habitats.

NC: Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar graphs and line graphs.

Read and unpick a selection of Kennings poems. Create our own Kennings poems all about invertebrates, cleverly making clues based on research conducted.

NC: Continue to read and discuss a wide range of fiction, poetry, plays, non fiction and reference books or text books.

Read and retell the story of the mixed up chameleon, using this as inspiration when creating their own 'Ultimate Invertebrate.'

NC: Select appropriate grammar and vocabulary, understanding how such choices can enhance meaning in narratives describing setting, character and atmosphere and integrating dialogue to convey the character and enhance the action.

NC: Use a wide range of devices to build cohesion within and across paragraphs.

Maths

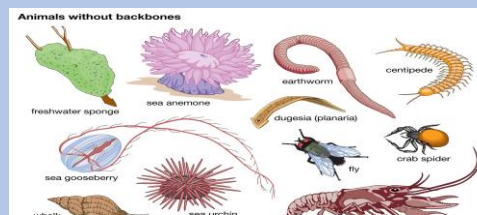
Complete a search of the local habitat, looking for invertebrates found in our locality

Use collected data about invertebrates to create bar charts, pictograms and pie charts.

NC: Record data using tables and bar graphs.

NC: Draw given angles and measure them in degrees (°)

Y5 Spring 1 Beast Creator



Questions to Consider

1. What is an invertebrate?
2. What is the hard outer shell of some mini beasts called?
3. How do mini beasts protect themselves from predators?
4. Name 5 different categories of invertebrates.
5. What is a pupa?
6. What is moulting?
7. What is mimicry?
8. Name 2 diseases that can be spread by mosquitos.
9. What is the difference between poisonous and venomous?
10. How long does the process of metamorphosis take in the life cycle of a butterfly?

Geography and History

Find the location of the world's top ten deadliest invertebrates when given Latitude and longitude references.

NC: Complete, read and interpret information presented in tables and line graphs.

NC: Use maps, atlases, globes and digital mapping to locate countries and describe features studied.

Create a bird's eye view map and key of the school and grounds. Use this to locate and plot invertebrates found in our local area.

NC: Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods.

Consider the life and work of Charles Darwin. Discuss his impact on our understanding of evolution and understand that his ideas caused controversy.

NC: Identify scientific evidence that has been used to support or refute ideas or arguments.

Computing

Computing Science Students

NC: Use search technologies effectively, appreciate how results are selected and be discerning in evaluating digital content.

NC: Design, write and debug programmes that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.

NC: Use sequence, selection and repetition in programmes; work with various forms of input and output.

Art and Design and Technology

Drawing inspiration from Darwin's sketchbook, create a detailed drawing of an invertebrate using shading techniques.

NC: Improve their mastery of art and design techniques.

Create a monochromatic collage

NC: Improve their mastery of art and design techniques.

PE

Swimming Yoga

NC: Perform dances using a range of movement patterns.