

Main Criteria: Forward Education
Secondary Criteria: National Curriculum for England
Subjects: Mathematics, Science, Technology Education
Grades: 3, 4, Key Stage 1, Key Stage 2

Forward Education

Protecting Pollinators with a Bee Counter

National Curriculum for England
Science
 Grade **Key Stage 1** - Adopted: 2014

PROGRAMME OF STUDY	UK.SC.Y1-2.WS.	YEARS 1-2 - Working scientifically
STRAND		During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:

STATUTORY REQUIREMENT SC.Y1-2.WS.2 Observing closely, using simple equipment.

PROGRAMME OF STUDY	UK.SC.Y1	YEAR 1 – SCIENCE
STRAND	SC.Y1.1.	Plants
STATUTORY REQUIREMENT		Pupils should be taught to:

STATUTORY REQUIREMENT SC.Y1.1.2 Identify and describe the basic structure of a variety of common flowering plants, including trees.

PROGRAMME OF STUDY	UK.SC.Y2	YEAR 2 – SCIENCE
STRAND	SC.Y2.1.	Living things and their habitats
STATUTORY REQUIREMENT		Pupils should be taught to:

STATUTORY REQUIREMENT SC.Y2.1.2 Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.

National Curriculum for England
Science
 Grade **Key Stage 2** - Adopted: 2014

PROGRAMME OF STUDY	UK.SC.Y3-4.WS.	YEARS 3-4 - Working scientifically
STRAND		During years 3 and 4, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:

STATUTORY REQUIREMENT SC.Y3-4.WS.3 Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.

STATUTORY REQUIREMENT SC.Y3-4.WS.9 Using straightforward scientific evidence to answer questions or to support their findings.

PROGRAMME OF STUDY	UK.SC.Y3	YEAR 3 – SCIENCE
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STRAND	SC.Y3.1.	Plants
STATUTORY REQUIREMENT		Pupils should be taught to:

STATUTORY REQUIREMENT SC.Y3.1.1 Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.

STATUTORY REQUIREMENT SC.Y3.1.4. Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

PROGRAMME OF STUDY	UK.SC.Y4	YEAR 4 – SCIENCE
STRAND	SC.Y4.1.	Living things and their habitats
STATUTORY REQUIREMENT		Pupils should be taught to:

STATUTORY REQUIREMENT SC.Y4.1.3. Recognise that environments can change and that this can sometimes pose dangers to living things.

PROGRAMME OF STUDY	UK.SC.Y5-6.WS.	YEARS 5-6 - Working scientifically
STRAND		During years 5 and 6, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:

STATUTORY REQUIREMENT SC.Y5-6.WS.2. Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.

**National Curriculum for England
Technology Education
Grade Key Stage 1 - Adopted: 2014**

PROGRAMME OF STUDY	UK.CO.	Computing
STRAND		Pupils should be taught to:

STATUTORY REQUIREMENT CO.1. Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.

STATUTORY REQUIREMENT CO.2. Create and debug simple programs.

**National Curriculum for England
Technology Education
Grade Key Stage 2 - Adopted: 2014**

PROGRAMME OF STUDY	UK.CO.	Computing
STRAND		Pupils should be taught to:

STATUTORY REQUIREMENT CO.1. Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts.

STATUTORY
REQUIREMENT

CO.3.

Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.