



Year 5 Autumn Term

Science:

MATERIALS

- compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic
- demonstrate that dissolving, mixing and changes of state are reversible changes
- explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action

PSHE:

- Rules and Responsibilities
- Healthy Relationships
- Safety
- Emotions
- Diversity

History:

VICTORIANS : Vile or Victorious?

- Victorian life. Queen Victoria, Victorian schools, children at work, inventions, railways, the industrial revolution. Important people and their work including artists, authors and inventions.

RE

What is humility and trust?

What do you know about poverty and wealth in the world?

Music:

Livin' on a Prayer, Classroom Jazz and Christmas Carol Service.

- Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.
- Improvise and compose music for a range of purposes using the inter-related dimensions of music.
- Listen with attention to detail and recall sounds with increasing aural memory.
- Use and understand staff and other musical notations.
- Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians.
- Develop an understanding of the history of music.

Victorians—Vile or Victorious?



English:

Key texts: The Nowhere Emporium

A Christmas Carol

Key Genres: Setting description, Drama, Newspaper Report, Non-fiction Writing (Queen Victoria).

Poetry: Kennings—Remembrance

Maths: Place Value, Addition and Subtraction, Multiplication and Division, Fractions

Art:

Printing—William Morris

Sculpture—Christmas Decorations

- Create sketch books to record their observations and use them to review and revisit ideas
- Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
- Know about great artists, architects and designers in history.

DT:

Structures: Frame Structures

- Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- Generate, develop, model; and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer aided design
- Select from and use a wider range of tools and equipment to perform practical tasks accurately
- Evaluate their ideas and products against their own design criteria
- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures and consider the views of others to improve their work

Computing:

Computing Systems and Networks

Media: Video editing

- understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration
 - select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information

PE:

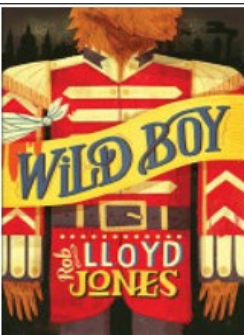
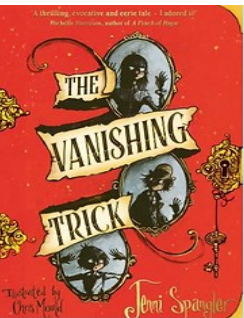
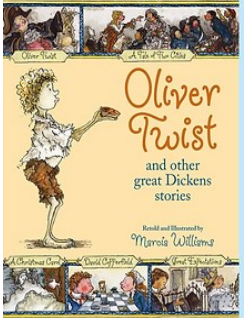
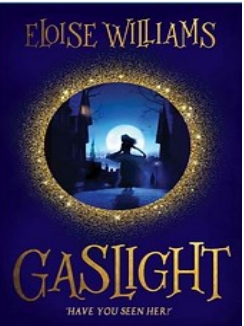
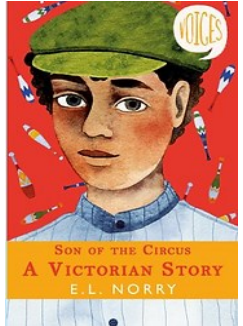
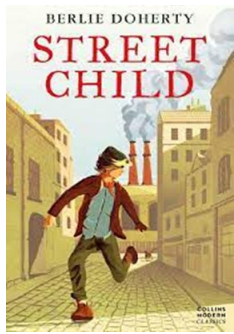
Fitness/ Health-related exercise, Tag Rugby, Swimming and Yoga

- Use running, jumping, throwing and catching in isolation and combination
- Play competitive games and apply basic principles for attacking and defending
- Develop flexibility, strength, technique, control and balance



Year 5 Autumn Term

Fiction Texts:



Useful Links:

[Crime and Punishment in Victorian times - BBC Bitesize](#)

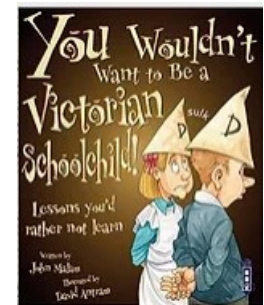
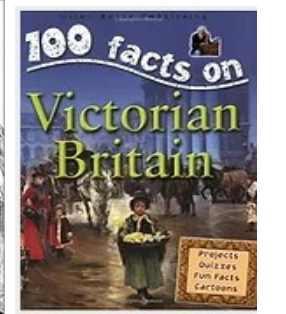
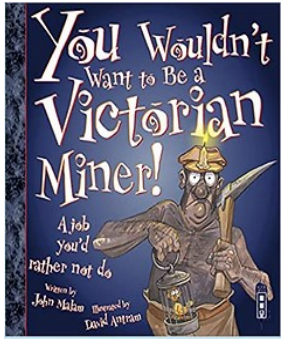
[Victorians - KS2 History - BBC Bitesize](#)

[Victorian homelife - BBC Bitesize](#)

[15 Victorian facts for kids - National Geographic Kids \(natgeokids.com\)](#)

[The Victorians - BBC Teach](#)

Non-Fiction Texts:



Victorians: Vile or Victorious?

How can I explore this at home?



Other Ideas/ Things to do/ Places to go:

- Access: <https://curriculumvisions.com> (username: highhesket/0001 password: jungle)
 - Visit: [Home - Beamish](#)
- Research your family history—did any of your relatives live during the Victorian period?
- Create your own project based on your own learning about the Victorians

***Always remember to check with an adult first before reading any of these books or accessing the links on this page.**



Year 5

Science:

HUMAN CHANGES

- describe the changes as humans develop to old age. (SRE session to be delivered by external provider)

LIFE CYCLES

- describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- describe the life process of reproduction in some plants and animals

PSHE:

Health

Safety

Communication

Art:

Observational Drawings/Sketching—Ancient Greek Vase

- Create sketch books to record their observations and use them to review and revisit ideas
- Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
- Know about great artists, architects and designers in history.

DT:

Food: Celebrating cultures and seasonality (Bread-making)

- Understand and apply the principles of a healthy and varied diet
- Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques
- Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed

History:

ANCIENT GREECE

- Ancient Greece – a study of Greek life and achievements and their influence on the western world
- The legacy of Greek culture (e.g. art, architecture, literature) on later periods in British history, including the present day.

Music:

Make You Feel My Love and The Fresh Prince of Bel-Air

- Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.
- Improvise and compose music for a range of purposes using the inter-related dimensions of music.
- Listen with attention to detail and recall sounds with increasing aural memory.
- Use and understand staff and other musical notations.
- Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians.
- Develop an understanding of the history of music.

Geography:

UK/EUROPE STUDY

- Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, and a region in a European country

Comparison of a region in Modern Greece (Athens—link to Ancient Greece) and a region in the UK (London).

PE:

CUFC—Football, Outdoor Adventurous Activity/ Problem Solving and Dance

- Use running, jumping, throwing and catching in isolation and in combination
- Play competitive games and apply basic principles for attacking and defending
- Develop flexibility, strength, technique, control and balance
- Perform dances using a range of movement and patterns
- Take part in outdoor adventurous activity challenges, individually and within a team

Computing:

Coding—Scratch

Media Vector Drawings

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output

RE:

Who is the Holy Spirit?

What is a sacrifice?

Ancient Greece:

What difference did it make?



English:

Key texts: Who Let the Gods Out? (Talk for Writing—Perseus and the Gorgon)

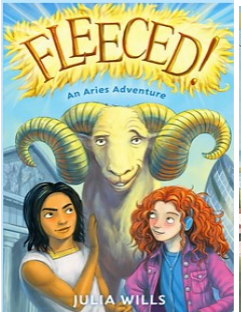
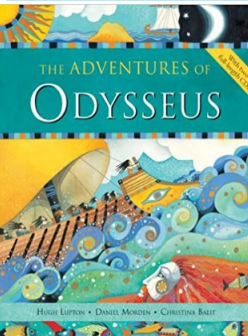
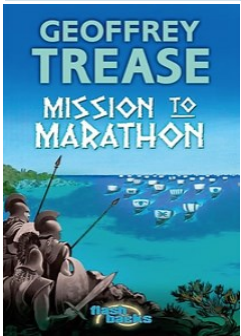
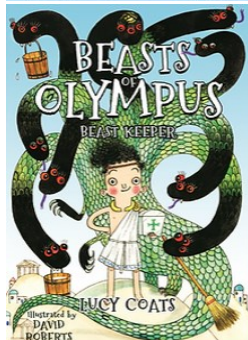
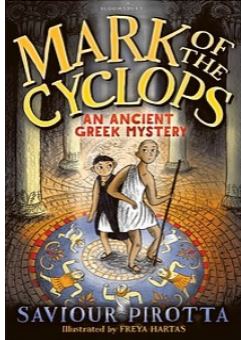
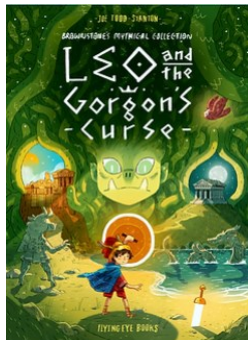
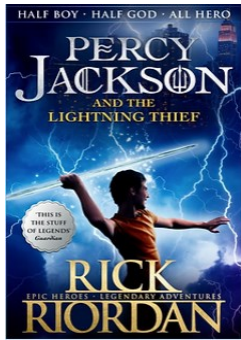
Key genres: Myth Story Writing, Character and Setting Description, Non-fiction Writing (Life Cycles),

Poetry: The Emotional Menagerie: Rhyming Poems

Maths: Multiplication and Division, Fractions, Decimals and Percentages, Perimeter and Area, Statistics.



Fiction Texts:



Useful Links:

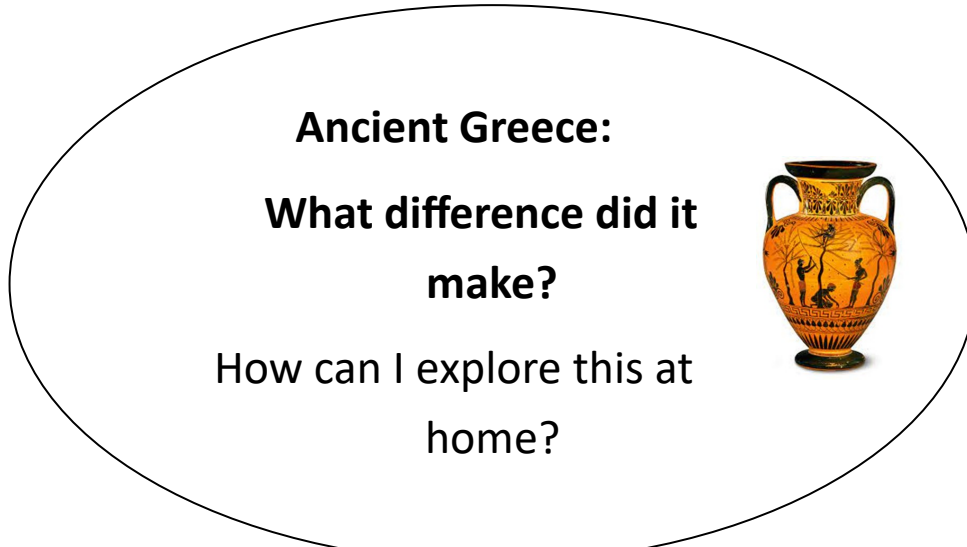
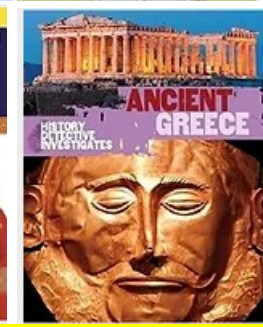
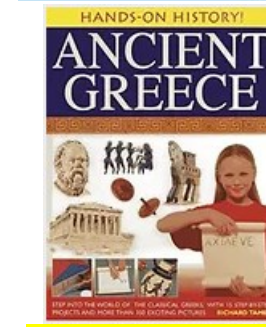
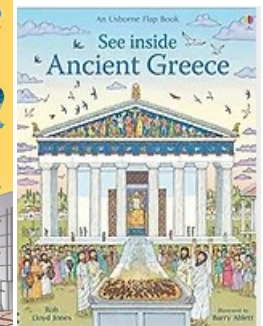
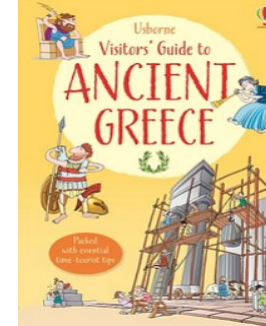
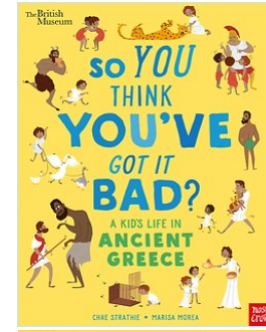
[Ancient Greece - Year 5/6 - P6/7 - History Collection - Home Learning with BBC Bitesize - BBC Bitesize](#)

[Panoply Vase Animation Project |](#)

[Ancient Greece - KS2 History - BBC Bitesize](#)

[Ancient Greece Facts for KS2 Children and Teachers — PlanBee](#)

Non-Fiction Texts:



**Ancient Greece:
What difference did it
make?**



How can I explore this at
home?

Other Ideas/ Things to do/ Places to go:

- Access: <https://curriculumvisions.com> (username: highhesket/0001 password: jungle)
- Create your own Ancient Greek vase using salt dough, clay or other resources at home. Use your knowledge to help you decorate.
 - Visit: [Ancient Greece - The British Museum](#)
- Create your own project based on your own learning about Ancient Greece

***Always remember to check with an adult first before reading any of these books or accessing the links on this page.**



Year 5

Science:

EARTH AND SPACE

- describe the movement of the Earth, and other planets, relative to the Sun in the solar system
- describe the movement of the Moon relative to the Earth
- describe the Sun, Earth and Moon as approximately spherical bodies
- use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

(History—moon landings)

FORCES

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

PSHE:

- Nutrition and Foods
- Healthy Relationships
- Collaboration
- Safety

Geography:

HUMAN IMPACT

- 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 .
- Local study - map skills focusing on local area

RE:

What does worship mean for different believers?

How do Christians live out the peace which Jesus talks about in the Bible?

Music:

Dancing in the Street and Reflect, Rewind and Replay

- Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.
- Improvise and compose music for a range of purposes using the inter-related dimensions of music.
- Listen with attention to detail and recall sounds with increasing aural memory.
- Use and understand staff and other musical notations.
- Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians.
- Develop an understanding of the history of music.

Earth, Space and Us: Friends or Foes?



English:

Key texts: The Boy at the Back of the Class

Cosmic

Key genres: Diary entry, Debate, Non-chronological Report (Solar System), Persuasive Writing.

Poetry: Six Ways to Look at the Moon—Metaphor Poetry

Maths: Shape, Position and Direction, Decimals, Negative Numbers, Converting Units, Measurement and Volume.

Art:

Paint and Pastels - Peter Thorpe Space Art

- Create sketch books to record their observations and use them to re-view and revisit ideas
- Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
- Know about great artists, architects and designers in history.

PE:

Cricket, Gymnastics, CUFC—Athletics, Badminton

- Use running, jumping, throwing and catching in isolation and in combination
- Play competitive games and apply basic principles for attacking and defending
- Develop flexibility, strength, technique, control and balance
- Compare their performances with previous ones and demonstrate improvement to achieve their personal best.

DT:

Mechanisms - Cams

- Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups
- Generate, develop, model; and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer aided design
- Understand and use mechanical systems in their products (for example, series circuits, incorporating switches, bulbs, buzzers and motors)

Computing:

Data— Flat file database

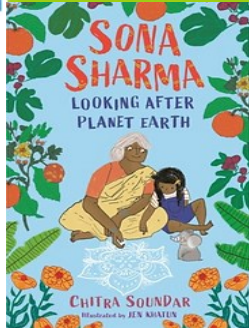
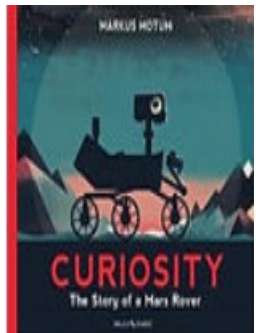
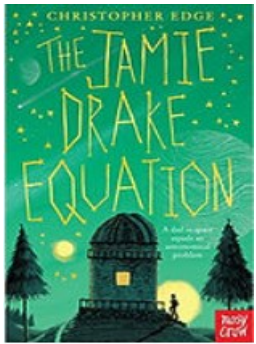
Programming: Quizzes

- design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
- use sequence, selection, and repetition in programs; work with variables and various forms of input and output
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
- select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information



Year 5 Summer Term

Fiction Texts:



Useful Links:

[Earth and space - KS2 Science - BBC Bitesize](#)

[Earth and space - Year 5/6 - P6/7 - Science Collection - Home Learning with BBC Bitesize - BBC Bitesize](#)

[Space Facts for KS2 Children and Teachers | Fascinating Facts — PlanBee](#)

[The World Wildlife Fund: for people and nature to thrive | WWF](#)

Non-Fiction Texts:



Earth, Space and Us: Friends or Foes?

How can I explore this at home?



Other Ideas/ Things to do/ Places to go:

- Access: <https://curriculumvisions.com> (username: highhesket/0001 password: jungle)
- Research constellations and explore the sky on a clear night—can you find any?
 - Visit: [Top Visitor Attraction in Edinburgh | Dynamic Earth](#)
- Create your own project based on your own learning about Earth, Space and/ or our impact on our home planet.

***Always remember to check with an adult first before reading any of these books or accessing the links on this page.**