Year 5: Autumn 2 Curriculum Overview

HENHURST RIDGE PRIMARY ACADEMY

YEAR 5

Maths

In Maths, children will develop their skills in multiplication and division, using efficient written and mental methods to solve calculations. They will apply these skills to word problems, learning how to identify the correct operations and explain their reasoning. Children will also study graphs and data, interpreting and presenting information using a range of charts and graphs to answer questions and draw conclusions.

Writing

In Writing, we will develop an explanation text based on 'How To Conduct a Spacewalk', focusing on using relative clauses, parenthesis for abbreviations and additional information and fronted adverbials for time and place. Additionally, children will learn the skills to create a journey tale based on the text 'Red and Lulu' by Matt Tavares.



Science

In Science, children will explore our Solar System, learning about the movement of the Earth, Moon and planets. They will investigate how day and night occur, understand the phases of the Moon, and discover how scientific ideas about space have developed over time through observation and evidence.

History

In History, children will learn about the Tudor period, exploring the lives of Tudor monarchs and how life changed during this important time in British history. They will investigate key events, examine historical evidence and develop their understanding of how the Tudors shaped England. They will further explore King Henry VIII, his wives and the relationships between them.

Computing

In Computing, children will learn how data is collected, stored and used through the exciting context of a Mars Rover mission. They will explore how computers gather and analyse data and using databases and spreadsheets to organise information. Children will also be introduced to binary code, learning how computers represent and process information using combinations of 0s and 1s.



PE

In PE, Year 5 pupils will dive into the world of dance, looking at how actions, dynamics and relationships combine to form a routine. During lessons with Mr Furniss, children will develop their understanding of invasion games, focusing specifically on basketball where they will develop their skills and apply them to game-type situations.

Reading

In Reading, we will develop our comprehension skills through a range of engaging texts, focusing on key reading strategies such as retrieval and inference. Our class novel this half term is the award-winning novel 'I Am Rebel' by Ross Montomgery which follows a dog named 'Rebel' who searches for his owner in order to bring him home.



DT

In DT, we will explore how bridges are designed and constructed, investigating different bridge types and the features that make them strong and stable. They will develop skills in designing, measuring, cutting, joining and evaluating, before creating and testing their own bridge structures. They will also learn to improve their designs by identifying strengths and areas for development.

PSHE

In PSHE, we will explore managing money responsibly, exploring topics such as spending, saving and budgeting. They will develop skills in decision-making, problem-solving and financial planning, considering how choices about money can affect themselves and others. Pupils will also learn how to compare options, set goals and make informed financial decisions.



Music

In Music, we will explore the world of musical theatre, learning how music, singing, movement and drama work together to tell a story. They will develop skills in performing, composing, listening and evaluating, as well as building their confidence, teamwork and expression through creating and performing their own musical theatre pieces.

RE

In RE, we will explore different beliefs and perspectives about leadership, authority and responsibility within religions and communities. They will consider what makes a good leader, discuss how decisions are made, and develop skills in critical thinking, discussion, questioning and respectful debate as they compare a range of religious and non-religious viewpoints.



Spanish

In Spanish, we will learn to describe themselves and others in Spanish, focusing on physical appearance and personality. They will develop their skills in speaking, listening, reading and writing, using new vocabulary and sentence structures to create detailed descriptions and portraits.

HENHURST RIDGE
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Year 5: Autumn 2 Home Learning Menu

YEAR 5

TT Rockstars – to practise times tables and improve speed and accuracy. Spend 5 minutes a day on TT Rockstars to build fluency with multiplication facts.

Mathletics – to build on class learning and strengthen maths skills. Log on to Mathletics regularly to complete set tasks that link to current topics.

EdShed – to practise weekly spellings through fun games. Play on EdShed several times a week to rehearse spellings in fun, interactive ways.

Maths Create and solve three of your own real-life multiplication or division word problems.	**Maths** Collect data from your family based on a topic and present the results in a graph or chart.	**Reading** Choose a book or magazine and write three questions to test someone's understanding.	**Reading** Create a fact file on Ross Montogmery and present it as a poster.	**Spelling** Create a diary entry on what you might see, hear and feel during a spacewalk.
Writing Write a short paragraph explaining a problem you might have during a spacewalk.	**History** Create a fact file about Henry VIII, including key events from their reign and how they're remembered today.	**History** Design a Tudyor-style poster showing what life was like during Tudor times.	**Science** Create a labelled diagram of the Solar System and include one interesting fact about the Earth and Moon.	**Science** Observe the moon for a week and draw or describe how the moon appears each night.
DT Investigate different types of bridges and create a strong bridge model using materials around your home.	**DT** Design and draw your own bridge, labelling the features that make it strong and stable.	**Music** Listen to a song from a musical and identify how the music helps tells the story.	**Music** Practice performing a favourite song and think about how you can use your voice to engage an audience.	**PE - Dance** Watch a dance performance and explain how the dancers use actions, dynamics and relationships.
PE - Basketball Practice dribbling a ball using both hands around obstacles, maintaining control as best as possible.	**Computing** Create an 8-bit sequence of 0s and 1s and see if a family member can decode it.	**PSHE** Compare the prices of three similar items and decide which offers the best value for money.	**RE** Create a poster showing the qualities of a good leader and why each quality is important.	**Spanish** Create a self-portrait and label it in Spanish.

Science - Earth and space

The Solar System is a group of celestial bodies, including the Sun, planets, asteroids and moons, held together by gravity.

The Sun, Earth, moons and other planets are spherical in shape.

Ptolemy



100-170 CE

Alhazen



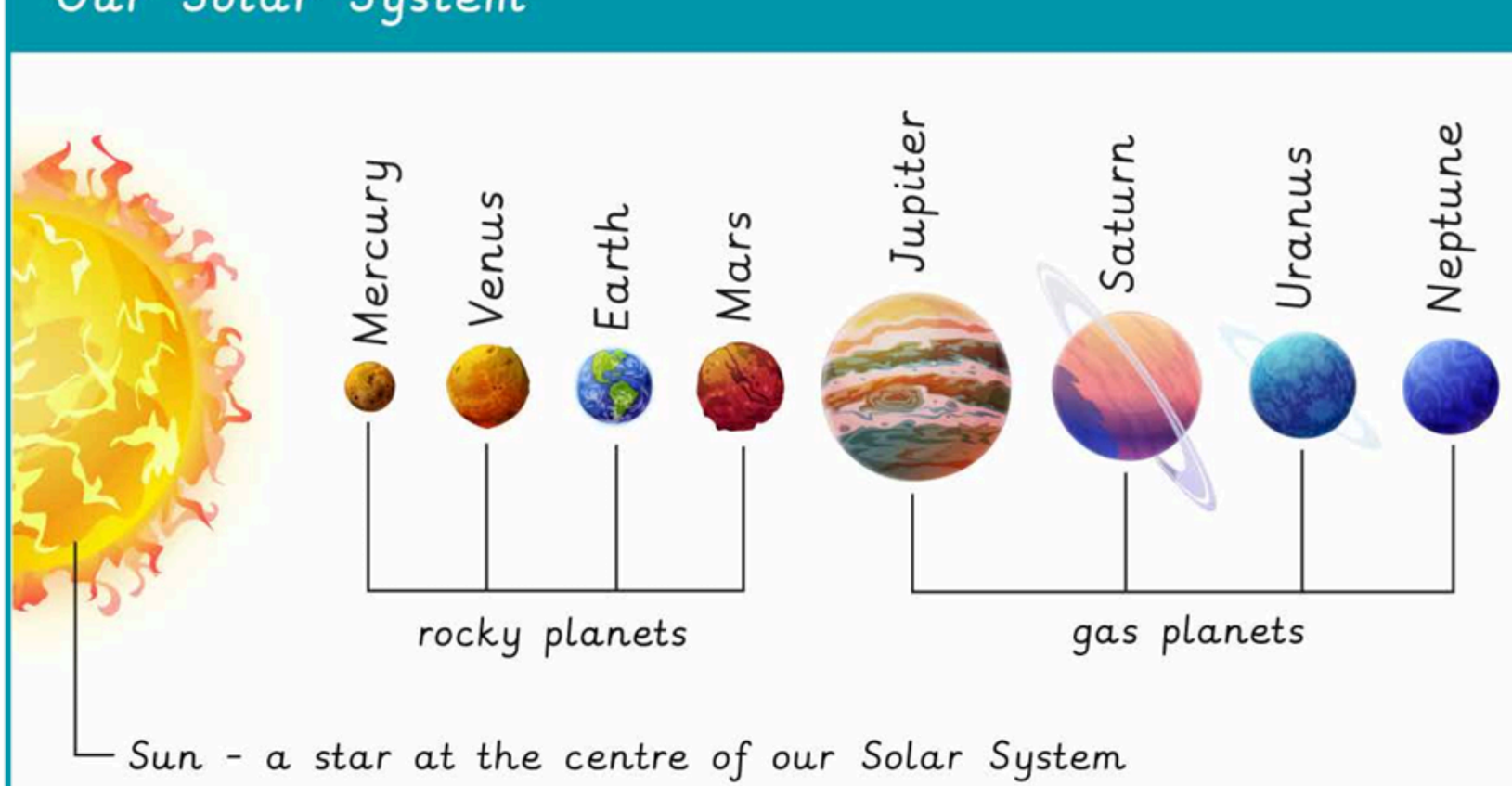
965-1040 CE

Copernicus



1473-1543 CE

Our Solar System



The heliocentric model was developed by Copernicus (1473-1543 CE) and theorised that the Sun was at the centre of the Solar System with the Earth and other planets orbiting around it.

The geocentric model was developed by Ptolemy (100-170 CE) and theorised that the Earth was at the centre of the Solar System with the Sun and other planets orbiting around it.

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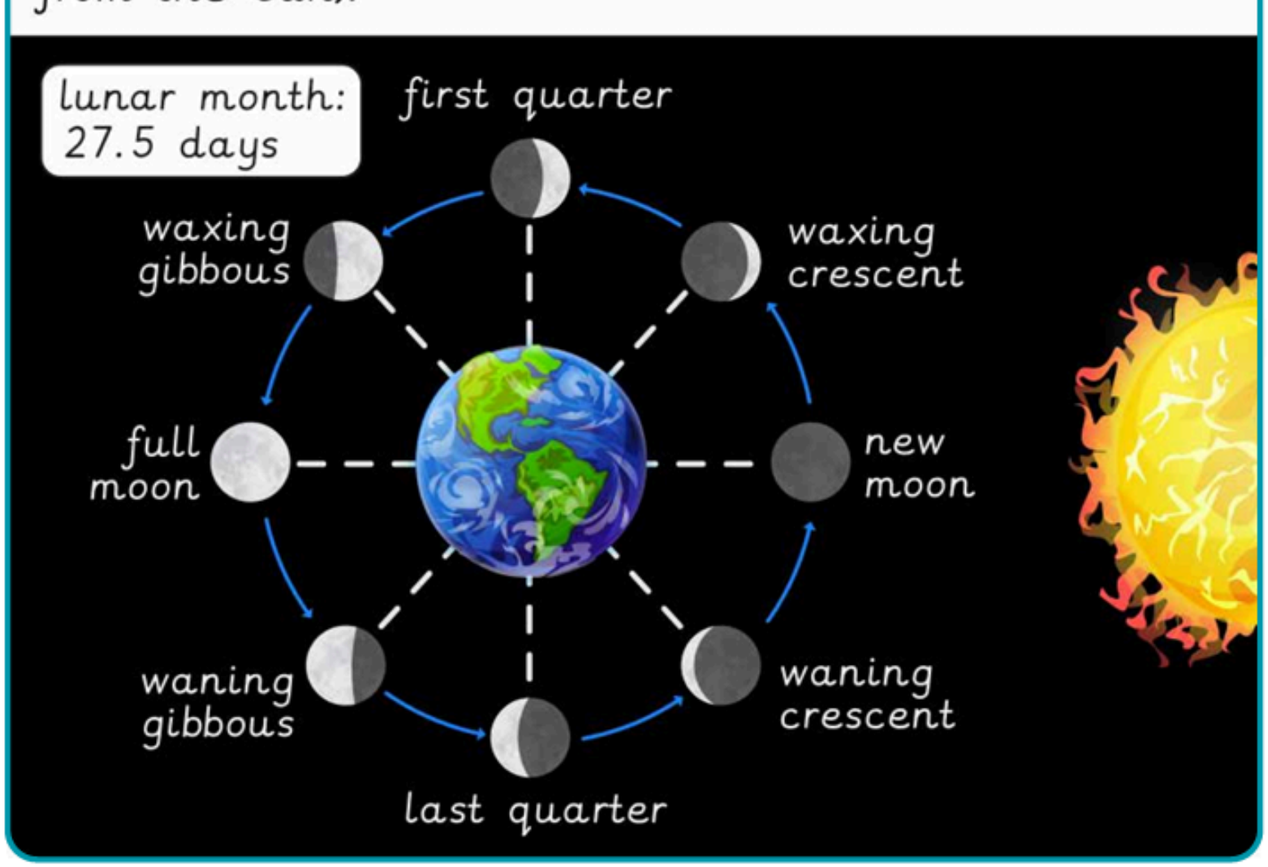
Science - Earth and space

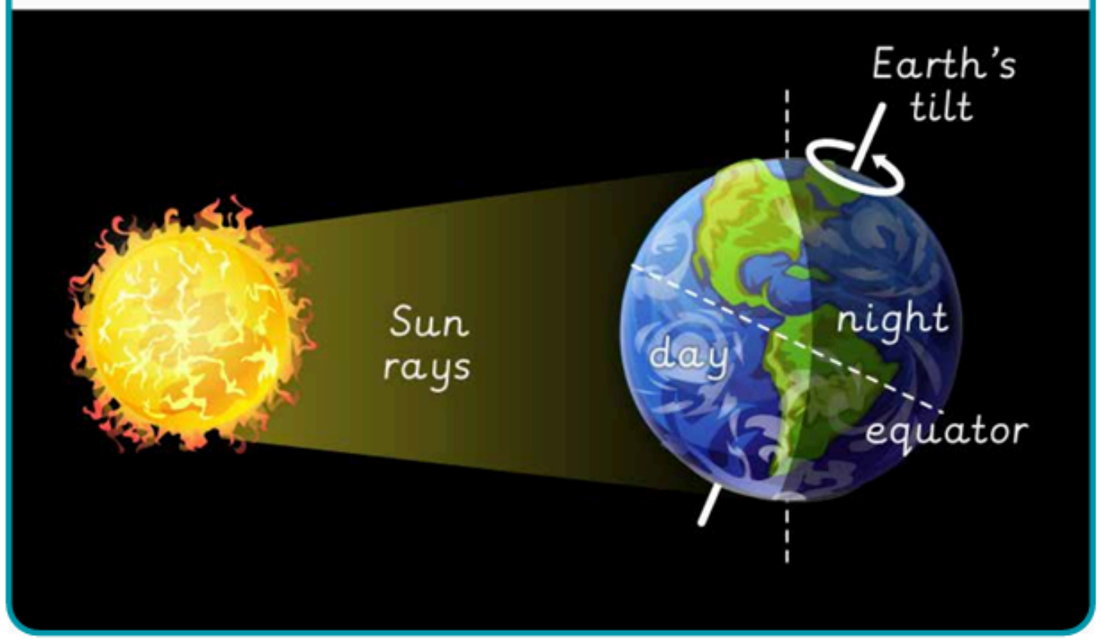


Artificial satellites are human-made objects that orbit planets. They have many uses, including gathering data, communications and taking images.

Phases of the Moon: the Moon appears to change shape as it orbits the Earth because we see different amounts of its lit-up side (the side reflecting light from the Sun).



Day and night: the Earth rotates on its axis every 24 hours, creating periods of daylight and nighttime.





Moons, also called natural satellites, are celestial bodies that orbit planets. The Earth has one moon. Some planets, like Mercury, have no moons and other planets, like Saturn, have many moons (the current count is 146).

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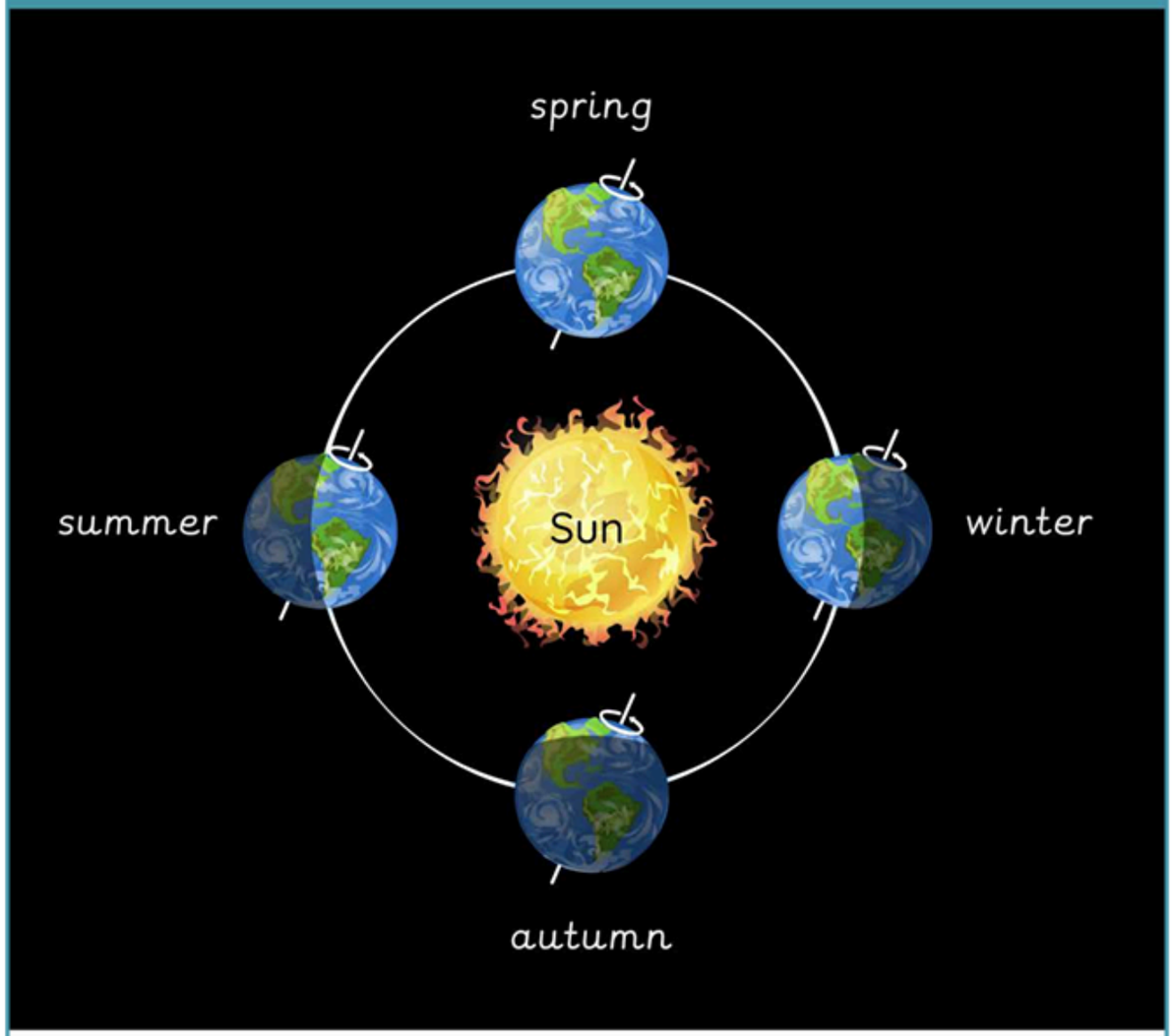
The Earth's seasons



The Earth orbits the Sun once every 365.25 days (one year). When the Northern Hemisphere is tilted towards the Sun, it receives more light for longer so it is summer. When it is tilted away from the Sun, it is winter in the Northern Hemisphere.

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History - What was life like in Tudor England?

bias*	A preference for one thing, idea, or person over another in a way that is unfair or inaccurate.
democracy*	A system in which the government is elected by citizens.
heir*	A person who is due to inherit something after someone dies.
merchant*	A person who buys items to sell them and make money.
parliament*	An assembly of people who make laws and check the work of the government.
perspective*	How someone sees things based on what they know and how they feel.
propaganda*	Information intended to make people believe something or to hold a particular point of view and which is often inaccurate.
state*	A country or its government.
tyrant*	Someone who uses their power over others cruelly and harshly.

*key word

Henry VIII



Henry VIII was the king of England from 1509 to 1547. He married six times to get a male heir. He used portraits of himself to portray himself as a powerful king.

Hans Holbein the Younger



A German painter and printmaker who lived at Henry VIII's court for periods of time. His portraits are some of the most famous of Henry VIII.

Anne Boleyn



The second wife of Henry VIII and the mother of Elizabeth I. She was strongly Protestant and tried to influence Henry VIII to change his religious views.

Elizabeth I



The daughter of Henry VIII and Anne Boleyn who was queen of England from 1558 to 1603. She used portraits, royal progresses and coins as propaganda to show her power and authority as queen.

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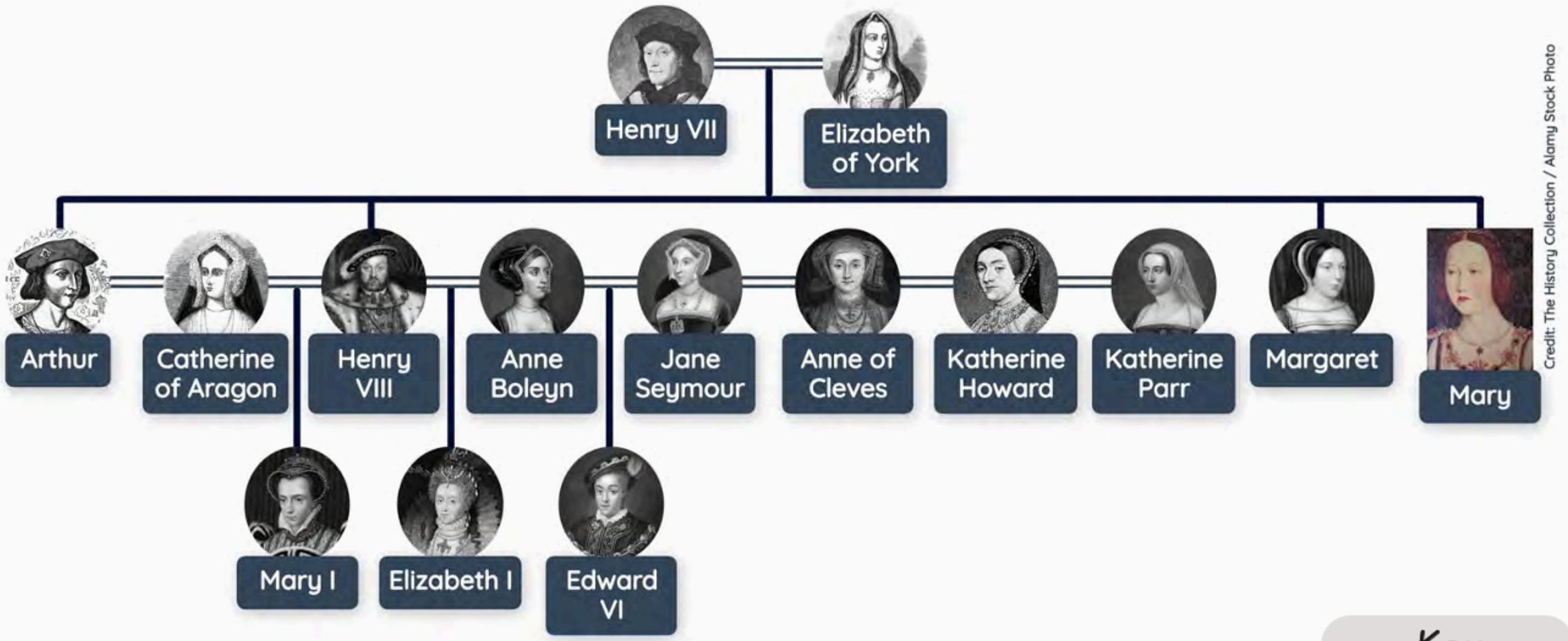
The Tudor family tree



Key

= married

– offspring

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