KS3 SCIENCE

7.1 Lesson Titles

What are cells? How do we observe cells? (microscopes practical) Microscope maths (basic magnification and converting units) Parts of a cell (organelles) Animal cells Plants cells Similarities and differences between plant and animal cells Specialised animal cells Specialised plant cells Diffusion and the cell membrane Unicellular organisms Multicellular organisms (cells, tissues, organs, organ systems)

7.2 Lesson Titles

What are 'states of matter'? States of matter and the particle model Separating mixtures Naming changes of state The particle model and changes of state Diffusion Gas pressure Energy changes on changing state Melting points and boiling points Predicting the state matter (using melting and boiling points - maths) Evaporation Density (linked to the particle model)





KS3 SCIENCE

7.3 Lesson Titles

What is a force? (pushes, pulls, units) How do we measure forces? Balanced and unbalanced forces (including force arrows) Drawing force diagrams Contact forces Non-contact forces Friction Friction practical Air and water resistance Speed Distance-time graphs Relative motion







KS3 SCIENCE

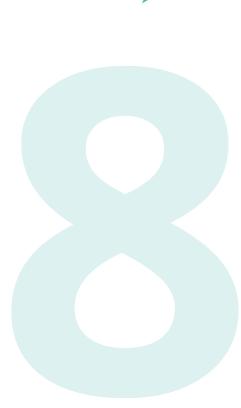
8.1 Lesson Titles

What is interdependence?
Food chains
Food webs
Disruptions to food webs
Predator prey relationships
Competition
Bioaccumulation
Ecosystems
Sampling an ecosystem
Quadrat calculations
The importance of biodiversity
Insect pollinated crops (plant reproduction covered in reproduction)

8.2 Lesson Titles

- Atoms, elements and compounds (quick recap) What is a chemical reaction? Word equations Ratios and Formulae Conservation of mass Complete and incomplete combustion Thermal decomposition Oxidation Displacement reactions Predicting the products of displacement reactions Exothermic reactions
- Endothermic reactions







KS3 SCIENCE

8.3 Lesson Titles

Electric charge (basic introduction- static) What is electric current? Circuit Symbols Measuring electric current Series and parallel circuits Bulbs in series Bulbs in parallel What is potential difference? Measuring potential difference What is resistance? Differences in resistance

Calculating resistance







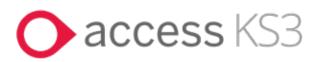
KS3 SCIENCE

9.1 Lesson Titles

What is photosynthesis? Photosynthesis word equation The importance of plants in food chains Leaf adaptations for photosynthesis Testing leaves for starch What is respiration? Aerobic respiration Respiration practical Anaerobic respiration in humans Fermentation Differences between aerobic and anaerobic respiration Photosynthesis, respiration and the atmosphere

9.2 Lesson Titles

Elements (varying physical and chemical properties) The Periodic Table and Mendeleev Periods and Groups Properties of elements Metals and non-metals The chemical properties of metal and non-metal oxides Uses of metals and non-metals Group 1 elements Group 7 elements Reactions between Group 1 and 7 elements Patterns in reactions in the periodic table Predicting reactions using the Periodic Table









KS3 SCIENCE

9.1 Lesson Titles

What is a force? (recap) Turning forces How to calculate the moment of a force Balancing moments Deformation Hooke's Law Investigating Hooke's Law What is pressure? Measuring pressure Atmospheric pressure Pressure in liquids Upthrust







KS3 ENGLISH

7.1 Lesson Titles

Read and Interpret 1: So who exactly was Thor? Read and Interpret 2: What do you mean, it's Thor's Day? Read and Interpret 3: What's that coming over the hill? Read and Interpret 4: Is it a monster? Explore and expand your knowledge 1: Where did 'I' come from? Where did 'you' come from? Explore and expand your knowledge 2: What did the Romans do for us? Explore and expand your knowledge 3: 1066 and all that Explore and expand your knowledge 4: Where did my pyjamas come from? Create and improve your accuracy 1: Model and Plan 'Who Am I?' Create and improve your accuracy 2: Sequencing using a framework Create and improve your accuracy 3: Improve your vocabulary Create and improve your accuracy 4: Check those sentences

7.2 Lesson Titles

Read and Interpret 1: Children of the Benin Kingdom Read and Interpret 2: Children of the Benin Kingdom Read and Interpret 3: The Secret in the Tower Read and Interpret 4: The Secret in the Tower Explore and expand your knowledge 1: 'Castle' Explore and expand your knowledge 2: 'Eclipse' Explore and expand your knowledge 3: 'The Lady of Shallott' Explore and expand your knowledge 4: 'Bold Sir Lancelot' Create and improve your accuracy 1: Model and Plan 'Travels in Africa' Create and improve your accuracy 2: Creating the journal form Create and improve your accuracy 3: Paint a picture Create and improve your accuracy 4: Check those spellings





KS3 ENGLISH

7.1 Lesson Titles

Read and Interpret 1: Who was this William Shakespeare? Read and Interpret 2: A trip to The Globe Read and Interpret 3: A King in Command Read and Interpret 4: A Queen in Command Explore and expand your knowledge 1: Meet Titania and Oberon Explore and expand your knowledge 2: A King and Queen in conflict Explore and expand your knowledge 3: A King in a Storm Explore and expand your knowledge 4: Nature fights back. Create and improve your accuracy 1: A trip to the theatre Create and improve your accuracy 2: Dramatic Vocabulary Create and improve your accuracy 3: Paragraphs and sequence Create and improve your accuracy 4: Check that punctuation







KS3 ENGLISH

8.1 Lesson Titles

Read and interpret 1: Dangerous rumours Read and interpret 2: Akata Witch Read and interpret 3: Witch Child Read and interpret 4: Comparing suspicious ideas Explore and expand your knowledge 1: The Weird Sisters Explore and expand your knowledge 2: Macbeth under the witches spell Explore and expand your knowledge 3: The Crucible Explore and expand your knowledge 4: The Crucible Create and improve your accuracy 1: Planning a description of a sea witch Create and improve your accuracy 2: Bringing the description to life Create and improve your accuracy 3: Create a dramatic atmosphere in your description Create and improve your accuracy 4: Present your finished picture.

8.2 Lesson Titles

Read and interpret 1: A Dystopian future Read and interpret 2: Where The River Runs Gold Read and interpret 3: What the Dickens? Read and interpret 4: The fact not the fiction Explore and expand your knowledge 1: The Chimney Sweeper Explore and expand your knowledge 2: The Chimney Sweeper Explore and expand your knowledge 3: The Cry of the Children Explore and expand your knowledge 4: The Cry of the Children Create and improve your accuracy 1: Get ready to write Create and improve your accuracy 2: Plan your letter content Create and improve your accuracy 3: Get the form right Create and improve your accuracy 4: Make it brilliant!





KS3 ENGLISH

8.3 Lesson Titles

Read and interpret 1: Things a Bright Girl Can Do Read and interpret 2: Things a Bright Girl Can Do Read and interpret 3: Rebel Voices Read and interpret 4: Rebel Voices Explore and expand your knowledge 1: Suffragette City Explore and expand your knowledge 2: Suffragette City Explore and expand your knowledge 3: We don't have to give up hope Explore and expand your knowledge 4: Writing a protest poem using our knowledge Create and improve your accuracy 1: the power of protest Create and improve your accuracy 2: The Art of Rhetoric Create and improve your accuracy 4: Proofread and present





KS3 ENGLISH

9.1 Lesson Titles

Read and interpret 1: 1984 Read and interpret 2: 1984 Read and interpret 3: Want Read and interpret 4: Want Explore and expand your knowledge 1: The Butterfly Explore and expand your knowledge 2: The Survivor Explore and expand your knowledge 3: First They Came Explore and expand your knowledge 4: Not My Business Create and improve your accuracy 1: A Dystopian narrative Create and improve your accuracy 2: Bring your dystopia to life Create and improve your accuracy 3: Including voices Create and improve your accuracy 4: Using the zoom lens

9.2 Lesson Titles

Read and interpret 1: Native Son Read and interpret 2: Native Son Read and interpret 3: The Street Read and interpret 4: The Street Explore and expand your knowledge 1: Langston Hughes Explore and expand your knowledge 2: The Fat Black Woman's Poems Explore and expand your knowledge 3: The Fat Black Woman's Poems Explore and expand your knowledge 4: Hurricane Hits England Create and improve your accuracy 1: Describing a landscape Create and improve your accuracy 2: Painting the landscape Create and improve your accuracy 3: Organise and create cohesion Create and improve your accuracy 4: Self and 'peer' assessment







KS3 ENGLISH

9.3 Lesson Titles

Read and interpret 1: Aristotle and Dante Discover The Secrets of the Universe Read and interpret 2: Aristotle and Dante Discover The Secrets of the Universe Read and interpret 3: Open Water Read and interpret 4: Diary of a Young Naturalist Explore and expand your knowledge 1: Clap When You Land Explore and expand your knowledge 2: Dear White America Explore and expand your knowledge 3: Dear Hearing World Explore and expand your knowledge 4: Exploring form and structure Create and improve your accuracy 1: Finding your voice Create and improve your accuracy 2: Writing your own self Create and improve your accuracy 3: Making choices with form, structure and punctuation Create and improve your accuracy 4: Hear your voice





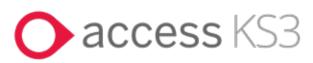
KS3 HISTORY

7.1 Lesson Titles

How dark were the Dark Ages? Why was Edgar the Athelings beaten to the throne? The Battle of Hastings: Did William win or did Harald lose? How useful is the Bayeux tapestry? Why is Hereward the Wake one of history's 'greatest Englishmen?' Why did William build motte and bailey castles? What was the Harrying of the North? Why was the creation of the Domesday Book so important for William? How did the Feudal System help the Normans rule England? To what extent did everyday life change as a result of the Normans? William Rufus - manslaughter or murder? How far did the Norman Conquest really change England?

2.2 Lesson Titles

What was it like to live in a medieval village? Why did people flock to towns in Medieval England? How far was entertainment for the poor very different from the rich? Why did men and women become monks and nuns? What role did the Church play in medieval life? Who was responsible for the death of Thomas Becket? To what extent was King John a bad ruler? What was, and still is, the importance of the Magna Carta? What was the impact of the Black Death? Why did the Peasants revolt in 1381? How useful is the Bodleian Bowl when learning about the lives of Jewish people in Medieval England? How and why were medieval monarchs so powerful?



KS3 HISTORY

7.3 Lesson Titles

Why did Africans migrate to Tudor England and what do we know about their lives? Who was Martin Luther and why was he so important? Why did Henry VIII break from Rome? How and why did Henry VIII order the dissolution of the monasteries? What was the impact of the Break from Rome? Why did Henry VIII have so many wives? How bloody was Bloody Mary? How effectively did Elizabeth solve the religious problems she faced? Why did Elizabeth chose to not marry? How and why did Elizabeth use portraits as propaganda? How did Elizabeth secure the defeat of the Spanish Armada? Why is Elizabeth I considered one of England's greatest ever rulers?





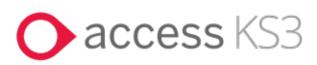
KS3 HISTORY

8.1 Lesson Titles

To what extent was James I the 'wisest fool in Christendom'? What was and what was the impact of the Gunpowder Plot? Why did the English Civil War break out? Why did Parliament win the Civil War? Why did the people kill their King? What was the restoration and why did it occur? Why is Cromwell so unpopular in Ireland? What was considered witchcraft in early modern England? *Title tbc Who was the Witchfinder General and what was his impact? What was so glorious about the Glorious Revolution? What was the significance of the 1707 Act of Union? How united was Great Britain in the years 1603 to 1750?

8.2 Lesson Titles

What was the Industrial Revolution? Why did Britain have an Industrial Revolution before other countries? How did towns and cities change during the Industrial Revolution? What was the impact of the Industrial Revolution on the countryside? What was it like to work in an industrial mill? What were working conditions like for children? Why was Edwin Chadwick so important for public health? How did the Poor Law Amendment Act affect poor people? Why was there so much demand for political change in the 1800s? Did Britain become democratic in the 1800s? How did the government improve the living and working conditions of people in Britain? Did life get better or worse for workers in the nineteenth century?



KS3 HISTORY

8.3 Lesson Titles

How did one bullet start the First World War? Why was there a stalemate on the Western Front? Were lions led by donkeys? How significant was the role of the Empire's soldiers in the First World War? What was the impact of new technology on warfare? What was life like on the Home Front during the First World War? How and why did the British government use propaganda during the First World War? To what extent was the Treaty of Versailles fair? Who would you join - the suffragists or suffragettes? How and why did women win the right to vote? What was the impact of the 1918 Representation of the People Act? What was the experience and impact of the First World War for women?





KS3 HISTORY

9.1 Lesson Titles

How and why did Hitler become the leader of Germany? What was life like in Nazi Germany? When, how and why did the Second World War start? To what extent was appeasement a mistake? What was life like on the Home Front in Britain? To what extent was the British bombing of Dresden justified? What was the Holocaust? How did the Holocaust happen? Never again? Cradle to grave: to what extent did WWII lead to the creation of the welfare state? How important has Britain been in the world since the Second World War?

How far has life changed for people in Britain between 1945 and the present day?

9.2 Lesson Titles

What was Africa like in 15th century?
What was Britain's role in the Trans-Atlantic Slave Trade?
What was life like for enslaved people on the plantations?
In what ways did people resist their enslavement?
What role did Britain play in the abolition of slavery?
What were the Jim Crow Laws and what was their purpose?
Why did the Civil Rights Movement gain momentum after WW2?
How significant was Martin Luther King?
To what extent was the Black Power movement different from the Civil Rights Movement?
Why was there a bus boycott in Bristol?
Hidden figures - who were the women of the Civil Rights and Black Power Movements?
Historical enquiry - What role did the British Empire play in the establishment and perpetuation of a global slave trade?





KS3 HISTORY

9.3 Lesson Titles

Who migrated to Britain before the 8th century and what was their impact? Who migrated to medieval Britain and what was their impact? Were immigrants welcomed into Britain in the 16th and 17th centuries? Why did Great Britain establish an overseas empire? How did Britain benefit from its empire in the 17th and 18th centuries? What is the legacy of the British Empire? How diverse was Britain in the 18th and 19th centuries? What was life like for immigrants in London in the nineteenth century? Why did the Windrush generation migrate to Great Britain? Why do people migrate to modern Britain? Why did countries declare their independence from British rule? To what extent has Britain changed as a result of migration?





KS3 MATHS

7.1 Lesson Titles

Written methods for addition and subtraction Written methods for multiplication and division Time Ordering integers and decimals Adding and subtracting negative numbers Multiplying and dividing negative numbers Multiplying and dividing by powers of 10 Adding and subtracting with decimals Multiplying and dividing decimals by integers Money problems Rounding numbers to a given degree of accuracy Estimate answers to spot mistakes/check for reasonableness

7.2 Lesson Titles

Use correct Order of Operations in calculations Use function machines to create inputs and outputs Recognise, describe and write down sequences based on a simple rule Find missing terms in patterns and sequences Square,cube, triangles numbers "proper" algebra e.g. language of and substituting Collecting like terms Recognise and use appropriate metric units Accurately measure and draw straight lines Perimeter of any 2D shape Area of squares, rectangles and shapes made from them Volume of cubes and cuboids









KS3 MATHS

7.3 Lesson Titles

Factors, multiples, primes, HCF, LCM Equivalent, simplifying and comparing fractions Improper and mixed fractions Addition and subtraction of fractions Fraction of amount Writing percentages Converting between fractions, decimals, and percentages Averages and range Collecting data Charts Probability (language and scales) Simple probability (equally likely)







KS3 MATHS

8.1 Lesson Titles

Multiplying and dividing algebraic expressions **Expanding single brackets Factorising expressions** Substitution Solving linear equations Solve equations with brackets Generating sequences from rules and nth terms Finding the nth term of an arithmetic sequence Coordinates Graphs of horizontal and vertical lines Completing coordinate tables for straight line graphs Drawing straight line graphs

8.2 Lesson Titles

_____ Estimation Multiplying with decimals **Dividing with decimals** Multiplying and dividing with fractions **Translations** Rotation Area of parallelograms and trapeziums Angles in parallel lines Interior and exterior angles **Properties of 3D shapes** Surface area of cubes and cuboids Volume of cubes and cuboids







KS3 MATHS

8.3 Lesson Titles

Percentages of amounts Percentage change Simple interest Writing and simplifying ratios Calculating with ratios Best buys Powers and roots Venn diagrams Prime factors HCM and LCM Averages from grouped data Experimental probability (include expected frequency)







KS3 MATHS

9.1 Lesson Titles

Writing numbers in standard form Calculations with standard form Laws of indices Compound interest Writing expressions and formulae Solving linear inequalities Changing the subject Changing the subject Solve equations with unknown on both sides Expanding double brackets Problem solving with FDP Working with exchange rates

9.2 Lesson Titles

Nets and surface area Similar and congruent shapes Enlargement Circles Circles Volume Converting units of area and volume Pythagoras' Theorem Part 1 Pythagoras' Theorem Part 2 Plans and elevations Constructions and bisectors Loci





KS3 MATHS

9.3 Lesson Titles

Direct proportion Inverse proportion Calculating gradients y = mx + c Drawing quadratic graphs Real life graphs Speed distance time Distance time graphs Sample space diagrams Two way tables Tree diagrams Scatter graphs





