

What's in Access KS3

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)

What's in Access KS3

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

What's in Access KS3



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



What's in Access KS3



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



What's in Access KS3

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

What's in Access KS3

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



What's in Access KS3

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

What's in Access KS3

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

What's in Access KS3



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!



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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 3: A strong start and a call to action
- Create and improve your accuracy 4: Proofread and present



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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

What's in Access KS3

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

What's in Access KS3

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?

What's in Access KS3

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?

What's in Access KS3



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?



What's in Access KS3



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?



What's in Access KS3

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?

What's in Access KS3

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?

What's in Access KS3

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

What's in Access KS3

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)

What's in Access KS3



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



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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)



What's in Access KS3



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



What's in Access KS3

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

