



Student Learning Journey

Subject: Art Year 7 Natural Form

Previously you have learnt



You will have a variety of previous art skills and learning from Primary school. You may have had experiences from using wet paint media, drawing, 3D, textiles. As part of your art lessons and experience in your primary school you will have researched artists from around the world looking at the way they work, their heritage and worked in their style.

In this unit you will learn



The focus in this first art project will be on learning about the formal elements through year 7 across your time in Art. In this project we will aim to focus primarily on artist's research, observing natural form and in exploring different materials and processes. You will be introduced to a wide selection of diverse artists linking to the natural world. You will also learn how to respond and analyse an artist's work through exploring materials they use in their work working in drawing, painting as well as 3D media and materials.

Key Vocabulary and Terminology



Tier 2: nature, form, observe

Tier 3: emboss, tone, line, structure, media

Further Learning



Tate Exhibitions website: [Colour](#)

Bbc bitesize website: [elements of art](#)

Hatton Character Qualities

Resilience	Open Mindedness	Creativity	Responsibility	Empathy
Self-Regulation	Courage	Commitment	Team Work	Leadership
Determination	Curiosity	Verbal Confidence	Social Intelligence	Citizenship

Excellence

Aspiration

Achievement

Inspiration

Community



Student Learning Journey

Subject: Art Year 7 Pattern and Colour

Previously you have learnt



You will have a variety of previous art skills and learning from Primary school. You may have had experiences from using wet paint media, drawing, 3D, textiles. As part of your art lessons and experience in your primary school you will have researched artists from around the world looking at the way they work, their heritage and worked in their style.

In this unit you will learn



In this rotation you will explore the formal elements, colour, pattern and shape. You will be introduced to a wide selection of diverse artists linking colour and pattern for example Yayoi Kusama, David Hockney, Fauvist movement, etc. You will also learn how to respond and analyse artist's work. You will explore a variety of different media including oil pastels, mono printing, collage, 3D modelling and watercolour paint.

Key Vocabulary and Terminology



Tier 2: evaluate, analyse, create, accuracy

Tier 3: composition, abstract, texture

Further Learning



TATE website – [Colour](#)

TATE website – [Pattern](#)

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Student Learning Journey

Subject: Computing Year 7 Video Editing

Previously you have learnt



About finding accurate sources of information and understanding the importance of respecting copyright. You have learnt how to download and save pictures to your computers.

In this unit you will learn



How to create and edit a video using short video clips, pictures and sound files. You will learn how to add background music and narration to a video and how to include special effects at different scenes.

Key Vocabulary and Terminology



Tier 2: research, assets, audio, video

Tier 3: transition, chroma key, annotation, narration, copyright, story board, caption, timeline, zoom

Further Learning



[Learn how to use Premiere Pro](#)

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Student Learning Journey

Subject: Design Technology Year 7 Introduction to Food & Nutrition

Previously you have learnt



In your primary school you will have generated, developed and modelled design ideas aimed at particular groups or individuals and made products from a range of materials and ingredients. You will have drawn out design ideas and taken part in a range of practical activities. During your time at SCHA you have been introduced to different materials (natural and synthetic) and developed your graphics skills. You may also have completed some practical work in another material areas (depending on your rotation).

In this unit you will learn



In this module, you will learn a range of basic food preparation techniques including knife skills and use of the Oven. You will learn how to follow a recipe and prepare ingredients to safely produce a high-quality product. You will also develop your understanding of nutrition and function of different food groups in the body.

Key Vocabulary and Terminology



Tier 2: Cook, chop, design brief, client, target market

Tier 3: Cross contamination, Hygiene, Nutrition.

Further Learning



The Royal Academy of Culinary Arts [Cutting safely using the bridge and claw method](#)

Food – A Fact of Life [What is the Eatwell Guide?](#)

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Student Learning Journey

Subject: Design Technology Year 7 Influential Designers

Previously you have learnt



In your primary school you will have generated, developed and modelled design ideas aimed at particular groups or individuals and made products from a range of materials and ingredients. You will have drawn out design ideas and taken part in a range of practical activities. During your time at SCHA you have been introduced to different materials (natural and synthetic) and developed your graphics skills. You have completed some practical work in another material areas (Textiles, Food and Nutrition or Product Design).

In this unit you will learn



In this module, you will learn about Key influential designers and the characteristics of their work. You will learn how to analyse design work considering the principles of design and develop your secondary research skills. You will develop your ability to identify key information from written sources and organise and present your research effectively. You will also develop your oracy skills by presenting your findings and opinions to your peers.

Key Vocabulary and Terminology



Tier 2: analyse, present, opinion, research, Influential

Tier 3: colour, form, texture

Further Learning



Meet the designers who shape our lives and create our futures [Designers: - Design Museum](#)

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Student Learning Journey

Subject: Design Technology Year 7 Introduction to Design Technology

Previously you have learnt



In your primary school you will have generated, developed and modelled design ideas aimed at particular groups or individuals and made products from a range of materials and ingredients. You will have drawn out design ideas and taken part in a range of practical activities.

In this unit you will learn



In this unit, you will build a range of foundation skills as a designer. You will develop your understanding of natural and synthetic materials, as well as how designers select materials based on their properties. You will develop your graphic communication skills through accurate technical drawing and rendering.

Key Vocabulary and Terminology



Tier 2: investigate, generate, develop, analyse, accuracy

Tier 3: oblique, render, natural, synthetic

Further Learning



BBC Teach: [Design and Technology](#)

Oak Academy: [The world of design](#)

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Student Learning Journey

Subject: Drama Year 7 Rotation 2: Gothic Drama: Tension and Atmosphere

Previously you have learnt



To use Drama techniques, through a series of practical explorations: MAGIC 7, Performance Rules, Technical Theatre and Staging Types

You developed Verbal Confidence, Social Intelligence, Creativity and Team work qualities as you got to know your group and your teacher.

In this unit you will learn



How to use a range of drama skills and strategies to develop storytelling in a Gothic style.

You will use elements of drama and the drama medium in order to show tension and create believable characters as well as develop understandings of physical theatre and use it effectively in performance.

Key Vocabulary and Terminology



Tier 2: Voice, Eye Contact, Body Language, Movement, Facial Expression, Gesture

Tier 3: Still image, Thought tracking, Physical theatre (body propping), Action/Narration, Hot seating, Role-play, Soundscape, Mime

Further Learning



[Music and sound - Drama medium - GCSE Drama Revision - BBC Bitesize](#)

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Student Learning Journey

Subject: English, Year 7, Time and Place

Previously you have learnt



You have studied 19th century London and looked at what life was like during this time. You have also explored other settings such as Athens and forests. As well as this you have been building your knowledge of nouns, noun phrases, adjectives and verbs. You have explored narrative writing and creating different characters.

In this unit you will learn



In this unit you will be focusing on the theme of Time and Place. You will begin by reading My Sister Lives on the Mantelpiece- a story where a significant event changes the lives of the characters. You will then study a variety of poetry which focus on different places such as London and New York and important moments throughout history like WW1. You will get to explore poetic techniques and even have a go at writing your own poetry. Alongside this you will begin to focus on describing different locations and using your grammar skills to aid your writing.

Key Vocabulary and Terminology



Tier 2: Population, war, conflict, trench, demographic, politics and setting

Tier 3: Stanza, simile, juxtaposition, verb, metaphor, sonnet and emotive language

Further Learning



[What makes a poem ... a poem? - Melissa Kovacs - YouTube](#)

[Poems of William Wordsworth \(Selected\) | Composed Upon Westminster Bridge, Sept. 3, 1802 - YouTube](#)

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Student Learning Journey

Subject: Geography – Year 7, Population & Settlements

Previously you have learnt



About **human** and **physical processes** that are taking place both in the UK and around the world. You studied your local area, **Wellingborough**, as well as learning about the difference between **weather** and **climate**. You have also gained an understanding of **development** and looking at how wealth is not evenly distributed around the world. You will gain an understanding of the **development gap**, how this came to exist and what is being done to close it.

In this unit you will learn



About the world's changing **population and structure**. You will develop an understanding of what is causing **population change** and what patterns exist around the world regarding population. This directly leads into looking at one of the most significant human processes we study which is **urbanisation**, where you will look at the **settlements** and what has made some cities so popular and why they continue to grow.

Key Vocabulary and Terminology



Tier 2: wealth, poverty, employment, military, city, countryside, population

Tier 3: Birth rate, death rate, urbanisation, population density, sparsely populated, densely populated, migration, rural-urban migration, natural increase

Further Learning



Population - <https://www.internetgeography.net/topics/population/>

Hatton Character Qualities

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Student Learning Journey

Subject: German Year 7 die Schule (school)

Previously you have learnt



how to give reasons to justify opinions. Last term you learnt how to talk about your free time activities, and have practised the third person and giving your opinions. You learnt some phrases to do with frequency (how often you do your hobbies). You have practised speaking and reading aloud so you will have gained more confidence in your German phonics and your reading skills will have improved further

In this unit you will learn



How to talk about your school, including the subjects you study, your opinions on them, your teachers and times of lessons in the school day. You will also be able to give the time in German and continue to develop your understanding of German word order.

We will continue to focus on phonics, reading and listening skills.

Key Vocabulary and Terminology



Tier 2: gender, article, word order, compound nouns, verbs, conjugation

Tier 3: you will be able to answer questions like:

Was ist dein Lieblingsfach und warum?
Was machst du in der Schule?

Further Learning



Please look at our department Padlet under Y7 Unit 3: [KS3 German](#)

Hatton Character Qualities

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Student Learning Journey

History Year 7 Tudors - How untraditional were the Tudor monarchs?

Previously you have learnt



About what daily life was like in Medieval Europe in comparison and contrast to the Islamic Empire. You compared what it was like living in the towns, the religion, medicine and beliefs that influenced both areas. You made a judgement on how they were similar and different.

In this unit you will learn



About the Tudor family, from Henry VI to Elizabeth I. You will spend some time exploring how the different Tudor monarchs ruled, the obstacles they faced, in particular the religious rollercoaster that was caused largely by Henry VIII's Break from Rome. You will examine throughout whether the Tudors can be seen as 'untraditional' monarchs or if they re-wrote the rule book on monarchy.

Key Vocabulary and Terminology



Tier 2

Heir Catholic Protestant Monarchy Divorce Exploration

Tier 3

Reformation Golden Age Heresy Treason Gentry Patronage

Further Learning



[The Tudors - KS3 History - BBC Bitesize](#)

[Learning resources | Historic Royal Palaces \(hrp.org.uk\)](#)

[Tudors - YouTube](#)

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Student Learning Journey

Year 7, Term 5. Topic: Online relationships

Previously you have learnt



In Year 7 you have covered PSHE, worry and mindfulness as well as first aid and CPR. You have studied Citizenship, the Monarchy and politics. You have also covered the Government and politics as well as citizenship and the community. In the last term there was a focus on social /family relationships, consent and bullying.

In this unit you will learn



This unit will cover online safety and how to report any issues you have online or due to social media. There will be a focus on online relationships and the impact of sharing images as well as digital footprints and how to keep your settings as private.

Key Vocabulary and Terminology



Tier 2: Online persona, Self-esteem, Social media, discrimination, blackmail, sexting, harassment, race, culture, ethnicity, sex, gender, sexual orientation, prejudice, physical, verbal

Tier 3: Capacity

Further Learning



<http://www.hattonachool.org.uk>

www.nspcc.co.uk

<https://www.bbc.co.uk/teach/class-clips-video/pshe-computing-gcse-digital-footprint/zfygbdm>

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Student Learning Journey

Subject: Mathematics Year 7 Number System

Previously you have learnt



In primary school you will have to read, write and understand place value for positive numbers including decimals. You will have learnt mental strategies for all four operations, along with formal written methods.

In this unit you will learn



To consolidate your learning of number from primary school to deepen your understanding and develop it further through the use of reasoning and problem solving. You will solve problems involving missing numbers, cryptarithms and how to effectively use a calculator. You will learn how to express a number as a product of primes.

Key Vocabulary and Terminology



Tier 2: order, estimate, multiple, factor, ascending, descending, product, operations, compare

Tier 3: integer, decimal, prime, hundred, thousand, million, multiplication, division

Further Learning



[Dicey Operations, Nrich Puzzle](#)

[Diagonal Sums, Nrich Puzzle](#)

[Always a multiple, Nrich Puzzle](#)

[UKMT Maths Challenge Junior](#) questions are a great source to deepen your understanding.

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Student Learning Journey

Subject: Mathematics Year 7 Directed Numbers

Previously you have learnt



In Primary School to recognise numbers below zero and link to real life contexts, compare and order negative numbers and count forwards and backwards through zero.

In this unit you will learn



To deepen your understanding on adding, subtracting and multiplying directed numbers via pictorial and abstract contexts.

Key Vocabulary and Terminology



Tier 2: Order, compare, positive, negative, calculate, patterns, greater than, less than, temperature

Tier 3: Addition, subtraction, multiplication, division, directed number, order of operation, square, square root

Further Learning



[Negative Dice, NRich Puzzle](#)
[Practice Makes Perfect, Puzzle](#)
[UKMT Maths Challenge Junior](#) questions are a great source to deepen your understanding.

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Student Learning Journey

Subject: Mathematics Year 7 Fractions & Percentages

Previously you have learnt



To identify and shade fractions. You will have learnt how to represent fractions using diagrams and on a number line. You will have used a diagram to compare two or more simple fractions. You will have performed all four operations with fractions

In this unit you will learn



To fluently perform all operations with mixed numbers. You will learn to increase/decrease by a fractional amount. You will learn to articulate the definition of percentages, how to represent them using diagrams and find a percentage of an amount

Key Vocabulary and Terminology



Tier 2: subtract, quantity, express, multiples, compare

Tier 3: represent, convert, denominator, numerator, improper

Further Learning



[NRich short problems on Frations, Decimals and Percentages](#)
[NRich Poster Problem for Multiplying Fractions/Fractions of an amount](#)
[Whole-y cow fractions are fun](#)

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Student Learning Journey

Subject: Mathematics Year 7 Algebraic Notation

Previously you have learnt



To use letter symbols to represent unknown numbers or variables.
You will have learnt how to form expressions from situations described in words and use/interpret algebraic notation.

In this unit you will learn



To understand the difference between an expression, equation, formula, term, function and identity. Use and interpret algebraic notation leading to simplifying and manipulating algebraic expressions. This will then be extended to substituting in values in order to evaluate expressions. You will also learn how to multiply a single term over a bracket.

Key Vocabulary and Terminology



Tier 2: interpret, evaluate, notation, equivalence

Tier 3: expression, equation, formula, term, function, identity, coefficients, brackets, simplify, manipulate, expressions, addition, subtraction, multiply, divide, integers, formulae, substitute

Further Learning



[NRich short problems Creating and manipulating linear and quadratic expressions](#)

[NRich poster problem 'Which is Bigger?'](#)

[Missing box problems helps promote thinking backwards and deepen understanding](#)

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Student Learning Journey

Subject: Mathematics Year 7 2D/3D Shapes

Previously you have learnt



In primary school you will have converted between metric units, for example, $1\text{cm} = 10\text{mm}$, $1\text{m} = 100\text{cm}$.
You will also have converted some imperial units, for example, $1\text{ foot} = 12\text{ inches}$, $1\text{ pound} = 16\text{ ounces}$, $1\text{ stone} = 14\text{ pounds}$, 1 gallon is equal to 8 pints

In this unit you will learn



To record estimates and readings from scales to a suitable degree of accuracy, including use of units of measure, including both metric and imperial. You will estimate, calculate and solve problems in everyday contexts involving perimeter and area for specific polygons.

Key Vocabulary and Terminology



Tier 2: Estimate, scales, area, shaded, volume, measures, metric, record, units, calculate, context, accuracy, imperial, regular, abbreviations, triangle, trapezium, recognise,

Tier 3: formulae, fraction, perimeter, polygons, vertices, surface area

Further Learning



[Reading books on metric conversion](#)

[Oak National Academy Lessons](#)

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Student Learning Journey

Subject: Mathematics Year 7 Algebraic Equations

Previously you have learnt



In term 2, algebraic terminology and basic algebraic manipulation. You have learnt how to identify and collect like terms, expand and factorise expressions.

In this unit you will learn



To construct and solve simple linear equations using inverse operations.

Key Vocabulary and Terminology



Tier 2: construct, solve, addition, subtraction, variable

Tier 3: equation, inverse, multiplication, division, coefficient

Further Learning



[NRich Short Problems, 'Equations and formulae'](#)

[NRich Poster Problem 'How old am I?'](#)

[Oak National Academy Lessons](#)

[UKMT Maths Challenge Junior](#) questions are a great source to deepen your understanding.

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Student Learning Journey

Subject: Mathematics Year 7 Angle Properties

Previously you have learnt



In primary school to draw and measure lines and angles accurately. Understand the notation used for equal angles and lines and applying it to properties of triangles and quadrilaterals. You will have also learnt to recognise angles as compass points.

In this unit you will learn



To describe, sketch and accurately draw using conventional terms and notations. Classify quadrilaterals and triangles by knowing their properties including lines of symmetry and rotational symmetry. You will learn to derive and apply various angles facts.

Key Vocabulary and Terminology



Tier 2: Estimate, measures, calculate, accuracy, regular, triangle, recognise, parallel, derive, adjacent, classify

Tier 3: polygons, vertices, perpendicular, rotational symmetry, quadrilateral

Further Learning



[NRich Short Problems, Angles and Polygons](#)

[NRich Estimating Angles](#)

[Oak National Academy Lessons](#)

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Student Learning Journey

Subject: Mathematics Year 7 Ratio and Proportion

Previously you have learnt



In Primary School, the ratio symbol, terminology and using proportion to solve problems.

In this unit you will learn



To read, write and interpret ratios including the relationship between ratios and fractions. You will learn how to write and use ratios in unitary form and share quantities in a given ratio. You will also learn to solve problems involving direct proportion such as best buy problems.

Key Vocabulary and Terminology



Tier 2: simplify, quantity, express, equivalent, part, whole

Tier 3: ratio, unitary form, proportion, fraction, scale factor

Further Learning



[NRich Short Problems](#)

[NRich Poster Problem, Three Fruits](#)

[Oak National Academy Lessons](#)

[UKMT Maths Challenge Junior](#) questions are a great source to deepen your understanding.

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Student Learning Journey

Subject: Mathematics Year 7 Sequences

Previously you have learnt



The fundamental building blocks in Algebraic Notation. This includes understanding function notations, algebraic expressions and substitution. In Primary School you would have had experience with pictorial patterns such as continuing match stick problems.

In this unit you will learn



To describe and continue pictorial, fractional and decimal sequences. Understand key vocabulary such as position and term of a sequence. You will learn to generate and describe integer sequences, using the term to term rule and the position to term rule.

Key Vocabulary and Terminology



Tier 2: generate, describe, represent, pictorial, sequence, determine

Tier 3: linear, integer, term to term, position to term, triangular, square, odd, even

Further Learning



[NRich Short Problems, Patterns and Sequences](#)

[NRich, Rich task](#)

[Oak National Academy Lessons](#)

[UKMT Maths Challenge Junior](#) questions are a great source to deepen your understanding.

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Student Learning Journey

Subject: Mathematics Year 7 Linear Graphs

Previously you have learnt



In Primary School to read and plot coordinates in all 4 quadrants of a Cartesian plane

In this unit you will learn



To extend your knowledge of coordinate to solve geometry problems. Identify and draw lines that are parallel to the axes. You will learn to recognise lines in the form $y = kx$, explore the gradient in $y = kx$ and link to problems involving direct proportion.

Key Vocabulary and Terminology



Tier 2: sequence, rule, positive, negative, relationship, graph

Tier 3: linear, co-ordinate, gradient, equation, quadrant, axis

Further Learning



[Coordinates, Skew Squares, Don Steward](#)

[Coordinates, A Cartesian Puzzle](#)

[Oak National Academy Lessons](#)

[UKMT Maths Challenge Junior](#) questions are a great source to deepen your understanding.

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Student Learning Journey

Subject: Mathematics Year 7 Linear Graphs

Previously you have learnt



In Primary School to measure angles with a protractor in order to accurately draw simple shapes. You will have learnt the cardinal directions and basic angle facts.

In this unit you will learn



To apply previously taught skills in order to construct and interpret scale drawings and maps. You will learn to construct circles and triangles using a pair of compasses. You will extend your knowledge of cardinal directions to lead into understanding and representing bearings as another way to represent direction.

Key Vocabulary and Terminology



Tier 2: scale drawing, interpret, construct, angles

Tier 3: cardinal, congruent, bearing

Further Learning



[Units of Length: fill in the gaps, Variation Theory](#)

[Using Scale Diagrams and Maps, Boss Maths](#)

[Can this be a Bearing? Variation Theory](#)

[UKMT Maths Challenge Junior](#) questions are a great source to deepen your understanding.

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Student Learning Journey

Subject: Mathematics Year 7 Transformations

Previously you have learnt



In primary school to identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

In this unit you will learn



To recognise lines of symmetry and the order of rotational symmetry of shapes. You will learn identify whether a shape has been reflected, rotated or enlarged and perform these transformations

Key Vocabulary and Terminology



Tier 2: recognise, transformation, reflect, enlarge, rotate, horizontal, vertical, clockwise, anticlockwise

Tier 3: rotational symmetry, degree

Further Learning



[Reflecting Squarely – Nrich Puzzle](#)

[Shady Symmetry – Nrich Puzzle](#)

[Mirror Mirror – Nrich Puzzle](#)

[Robotic Rotations – Nrich Puzzle](#)

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Student Learning Journey

Subject: Mathematics Year 7 Data Handling Cycle

Previously you have learnt



In primary school to read, interpret and draw bar charts, pictograms, line graphs and basic pie charts. You have also learnt to calculate the mean from a small data set.

In this unit you will learn



To conduct a statistical enquiry. This will involve understanding the data handling cycle, making a hypothesis, collecting data, displaying and analysing data, leading to drawing conclusion and evaluating the statistical enquiry.

Key Vocabulary and Terminology



Tier 2: recognise, transformation, reflect, enlarge, rotate, horizontal, vertical, clockwise, anticlockwise

Tier 3: rotational symmetry, degree

Further Learning



[Mean, Matching Cards - NCETM](#)

[Mean, Wiped Out](#)

[Relating Charts to data sets](#)

[Stem and Leaf Problems](#)

[Statistics Short Problems](#)

Hatton Character Qualities

Resilience	Open Mindedness	Creativity	Responsibility	Empathy
Self-Regulation	Courage	Commitment	Team Work	Leadership
Determination	Curiosity	Verbal Confidence	Social Intelligence	Citizenship

Excellence

Aspiration

Achievement

Inspiration

Community



Student Learning Journey

Subject: Religious Education, Year 7, Spirited Arts

Previously you have learnt



You have studied a unit on 'How religions begin' and have covered Islam, Judaism, Hinduism, Humanism, Sikhism and Christianity. You should be able to explain the key beliefs and founders of each faith – and this will help you to access the more philosophical nature of the questions this unit presents. You have an understanding of the religious teachings on social justice, and can apply them to issues such as prejudice and discrimination.

In this unit you will learn



This investigative unit is designed to apply religious beliefs to contemporary issues. We are looking to get students considering the world around them and how they can use what they learn for the betterment of others. Each lesson links to the NATRE spirited arts project – encouraging students to be able to express their own views and put their feelings and thoughts into a creative outlet. Spirited Arts links strongly to character development.

Key Vocabulary and Terminology



Tier 2

Atheist, agnostic, symbolism, worldviews, culture

Tier 3

Khanda, Crescent, creationism, stewardship, dominion, design argument

Further Learning



A moment of reflection for Jo Cox (Rev Dr Stuart Mousir-Harrison)

Examples of videos used in topic:

<https://www.youtube.com/watch?v=u1zNHoYmhUI>

https://www.youtube.com/watch?v=3qv9_3XVHQI

<http://www.bbc.co.uk/news/uk-politics-36558302>

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Student Learning Journey

Subject: Science Year 7 Chemistry 7C4 the Periodic Table

Previously you have learnt



Earlier this year, you learnt about the model of atoms, what atoms are composed of and how different atoms make up different elements.

In this unit you will learn



To describe the structure of the Periodic Table, including where you would find groups and periods. To describe the properties of metal and non-metals, including both physical and chemical properties. To describe the trends and properties of group 1 (the Alkali Metals) and group 7 (the Halogens) elements.

Key Vocabulary and Terminology



Tier 2: Describe, explain, trends.

Tier 3: the Periodic Table, group, period, Mendeleev, metal, non-metal, alkali metal, halogen.

Further Learning



[BBC Bitesize – The Periodic Table](#)

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Student Learning Journey

Subject: Science Year 7 Physics 7P4 Forces

Previously you have learnt



In primary school, you compared how things move on different surfaces and noticed that some forces need contact between two objects, but magnetic forces can act at a distance. You have observed how magnets attract or repel each other.

In this unit you will learn



To describe how common forces behave and draw free body diagrams to represent forces. Identify friction, drag, squashing and stretching and explain the use of lubricants to minimise friction. You will explain gravitational force, magnetic forces and electrostatic forces, describing the difference between mass and weight. You will also explain how balanced and unbalanced forces affect motion. You will also calculate moments.

Key Vocabulary and Terminology



Tier 2: Describe, investigate, explain.

Tier 3: Magnet, gravitational potential, elastic, friction, moment.

Further Learning



[Introduction to forces - Forces and movement - KS3 Physics - BBC Bitesize - BBC Bitesize](#)

[Forces and movement - KS3 Physics - BBC Bitesize](#)

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Student Learning Journey

Subject: Science Year 7 Physics 7Pi Helicopter Investigation

Previously you have learnt



In primary school, you learnt to take measurements using a range of equipment, record data, make predictions, present findings and form conclusions to answer scientific questions.

In this unit you will learn



To describe how helicopters fall, plan an investigation to identify the effect of mass on falling helicopters, investigate the effect of mass on falling helicopters and conclude and evaluate your investigation.

Key Vocabulary and Terminology



Tier 2: Conclusion, evaluation, anomaly.

Tier 3: Hypothesis, independent variable, dependent variable, control variable, precise, accurate, reliable.

Further Learning



[BBC Bitesize – Forces and Movement Notes](#)

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Student Learning Journey

Subject: Y7 Spanish Subjects and opinions - Term 5

Previously you have learnt



In primary how to use adjectives. In term 2 you learnt how to describe your family and friends. Your Spanish phonics and reading skills will be have improved giving you confidence to read and speak aloud.

In this unit you will learn



How to talk about school. You will learn how to say which subjects you like and describe the teachers. You will extend this to describe the building and some of the activities in school. We will continue to embed phonics and focus on speaking skills.

Key Vocabulary and Terminology



Tier 2: Future tense, conjugation , verbs endings , adjectives

Tier 3: ¿Qué estudias? Estudio...

¿Cuál es tu asignatura favorita? Mi asignatura favorita es...

Further Learning



Please look at our department Padlet SK3

[KS3 Spanish \(padlet.com\)](https://www.padlet.com)

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