



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

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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 the first project for art this term you have been focussing on the formal elements within art and applying these to drawing, designing, artist research and then into your final clay design.

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, Sgraffito

Further Learning



TATE website – [Colour](#)

TATE website – [Pattern](#)

Hatton Character Qualities

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Student Learning Journey

Subject: Dance Year 7 Rotation 2

Previously you have learnt



In your first rotation, you focused on performance skills and how these are developed within a routine. You will have looked at two or more different dance styles.

You will have also evaluated one of your routines looking at performance and improvement.

In this unit you will learn



In this unit, you will learn about choreographic devices and how to apply them in your own routine. In your group, you will each take on the role of a choreographer and develop the skills of communication and teaching.

Also, in this unit you will look at dance appreciation, this is linking your work to work of professionals. This takes place through verbal and written evaluation.

Key Vocabulary and Terminology



Tier 2: choreograph, perform, appreciation

Tier 3: Action, space, dynamics, relationship, unison, canon, formations, starting position, addition, direction, retrograde, contract, motif, stimulus, levels.

Further Learning



[dancer tips: performance prep - youtube](#) – performance techniques

[discovering devi, 'impressions of the observer' - youtube](#) - bharatanatyam dance

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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: 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 Introduction to Designing

Previously you have learnt



During your DT lessons this year you have been introduced to natural and synthetic materials, developed your graphic communication skills through oblique sketching and rendering. You have completed 2 of 3 specialist materials areas, developing practical skills in resistant materials, textiles or food. This has allowed you to develop your technical skills and ability to work with independence and accuracy. Most recently you have explored the work of influential designers and learnt how to collect and analyse research effectively.

In this unit you will learn



In this unit, you will be introduced to the design cycle and the concept of iterative design. You will learn how to use a range of strategies to generate and develop create and original ideas in response to a design brief. You will explore the needs of an identified target market and further develop practical skills through modelling.

Key Vocabulary and Terminology



Tier 2: generate, develop, refine, create

Tier 3: client, target market, design brief, iterative design, model

Further Learning



BBC Big Life Fix [Making the playground accessible](#)

Inclusive play [Guide to inclusive play - Sensory Trust](#)

Oak Academy Core Design skills [Graphic communication \(thenational.academy\)](#)

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Student Learning Journey

Subject: Design Technology Year 7 Introduction to Product Design

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 about how to work safely in the workshop and use hand tools and equipment to mark out, saw, finish and polish acrylic.

You will also learn about CAD and CAM and be able to use 2D Design to draw out a design to be cut using a laser cutter.

Key Vocabulary and Terminology



Tier 2: investigate, generate, develop, design, follow

Tier 3: Hazard, working drawing, Coping saw, File, glass paper, CAD/CAM, 2D Design, laser cutter, prototype

Further Learning



BBC Teach: [Design and Technology](#)

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

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Student Learning Journey

Subject: Design Technology Year 7 Introduction to Textiles

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 about how different cultures use textiles to communicate information about their identity and experiment with a range of different traditional techniques including Block Printing and Hand Embroidery. You will explore the work of contemporary Textile artist Liz Payne and produce a final piece inspired by your own identity.

Key Vocabulary and Terminology



Tier 2: Culture, Tradition, Develop, Design

Tier 3: Pattern, Motif, Rhythm, Weave, Embroidery, Block Print, Stencil

Further Learning



Liz Payne: [Liz Payne | Artist | Sydney, Australia \(lizpayne.com\)](https://lizpayne.com)

Textiles Collection: [Textiles · V&A \(vam.ac.uk\)](https://vam.ac.uk)

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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](#)

Hatton Character Qualities

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Student Learning Journey

Subject: English, Year 7, Myths and Magic

Previously you have learnt



Last term you will have explored the idea of childhood within literature and practised your writing skills to explore the role of childhood in your own world. You studied the novel *Oliver Twist*, the 19th century and child labour laws. You also looked at how childhood can be affected by difficult situations, such as Malala and you created your own autobiographies.

In this unit you will learn



In this unit you will be focusing on the theme of Myths and Magic. You will begin by reading Skellig- a story where the lines between reality and magic are blurred. This will open up discussions of belief and truth. You will then study a Shakespeare play, 'A Midsummer Night's Dream' where once again you will explore how Shakespeare uses magic to play with ideas of hierarchy, power and control. Alongside this you will begin learning about Shakespeare's world. You will also be exploring magic in story writing, by looking at mythical stories, understanding how to create stories and writing your own mythical stories.

Key Vocabulary and Terminology



Tier 2: Shakespeare, myth, hierarchy, groundling, severe, affluent, patriarchy, conflict, unrequited, mock, chaos and resolve

Tier 3: Elizabethan, soliloquy, narrative, adjectives, participles, personification, adverbs, exposition, rising action, climax, falling action, and denouement

Further Learning



[A Midsummer Night's Dream- Plot Summary](#)

[An Introduction to William Shakespeare](#)

[Myths and Legends](#)

Hatton Character Qualities

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Student Learning Journey

Subject: Geography – Year 7, Development & Superpowers

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 developed your geography skills through using **OS maps** and **analysing** other sources such as photographs and geographical reports.

In this unit you will learn



About the concept of **development** and look 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. You will then look at the nature of power and how it is exercised both overtly and covertly and become confident in categorising these into hard and soft power. You will gain an understanding of the physical and human geographies of China and Russia and be able to link this to future success.

Key Vocabulary and Terminology



Tier 2: wealth, poverty, brands, employment, military

Tier 3: Development indicators, Infant mortality, globalisation, transnational corporations, superpowers, soft power, hard power, HIC, LIC, NEE infant mortality rate

Further Learning



Development - <https://www.bbc.co.uk/bitesize/guides/z37d4xs/revision/1>

Hatton Character Qualities

Hatton Character Qualities			Responsibility	Empathy
Self-Regulation	Courage	Commitment	Team Work	Leadership
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Topic Review

Case Study Summary Notes

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Student Learning Journey

Year 7 German Term 3 Freizeit

Previously you have learnt



how to give reasons to justify opinions in English. Last term you learnt how to use the third person and give opinions. Your German phonics and reading skills will have improved, giving you confidence to read and speak aloud.

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

In this unit you will learn



How to talk about hobbies and free time and which ones you like. You will extend this to talk about the free time activities of your friends and family. This may include sports, music, outdoor or indoor games. We will continue to embed phonics and focus on speaking skills.

You will be able to answer question like:

Was machst du in deinen Freizeit?

Was spielst du gern?

Key Vocabulary and Terminology



Tier 2: noun gender, article, word order, infinitive verb, adjective, separable verb, time phrase, cognate

Tier3:

am Wochenende	spielen	tanzen	am Abend	machen
fernsehen	jeden Tag	gehen	Radfahren	oft
chillen	schwimmen	sagen	gehen	kommen



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

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Student Learning Journey

History Year 7 Compare and contrast Medieval Europe to the Islamic World

Previously you have learnt



About the infamous Battle of Hastings, what caused the battle for the throne and what life was like for people living in Britain soon to be under French rule in 1066. You made a judgement on the big question 'Did the Normans bring a sack load of trouble?' and applied the second order concept of significance.

In this unit you will learn



What daily life was like in Medieval Europe in comparison and contrast to the Islamic Empire. You will travel back to understand what it was like living in the towns, the sounds, smells and tastes. You will learn about how religion, medicine and beliefs influenced both areas.

Key Vocabulary and Terminology



Tier 2

Empire Christianity Islam trade medicine civilisation

Tier 3

Caliphs Golden Age Lord Peasants Dynasty trial by ordeal

Further Learning



[Medieval society, life and religion - KS3 History - BBC Bitesize](#)

[Medieval Islamic civilisations - KS3 History - BBC Bitesize](#)

[Early Islamic World for Kids \(ducksters.com\)](#)

Hatton Character Qualities

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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

Further Learning



[Learn how to use Premiere Pro](#)

Hatton Character Qualities

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Student Learning Journey

Year 7, Term 4. Topic: Positive Relationships and Personal Safety

Previously you have learnt



In Year 7 you have covered what PSHE is as well as how you can overcome worry through mindfulness. You have also considered how you will remain safe and keep others safe by learning the basics of first aid and CPR. You have studied Citizenship, the Monarchy and politics which is a topic which you will study in more depth as you progress through the PSHE curriculum. You have also learned about the key skills that you will need for work including: speaking; listening; problem solving; creativity; leadership; team work and positive thinking. These are transferrable skills which you will be able use in future units.

In this unit you will learn



This unit will cover positive relationships and Personal safety. The focus will be on friendships and how to stay safe when with friends or in a relationship. You will also cover how to report any issues to school staff or a trusted adult.

Key Vocabulary and Terminology



Tier 2: Abuse, healthy, peer, invest, influence, commitment, responsibilities. Consent, permission, nonverbal cues, disclosure

Tier 3: Capacity, discuss, safe

Further Learning



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

www.nspcc.co.uk

<https://www.childnet.com/young-people/11-18-year-olds/>

Hatton Character Qualities

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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,
 $1\text{ foot} = 12\text{ inches}$, $1\text{ pound} = 16\text{ ounces}$, $1\text{ stone} = 14\text{ pounds}$, $1\text{ gallon is equal to }8\text{ pints}$

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](#)

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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.

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: 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](#)

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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](#)

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Student Learning Journey

Subject: Religious Education, Year 7, is Social Justice possible?

Previously you have learnt



You will have learnt about founding religions. You began your journey by considering the principles of belief and worldview, and what religion is. You then learnt about different world religions including Hinduism, Buddhism, Sikhism, Islam, Christianity, and Judaism.

In this unit you will learn



Is social Justice possible? Throughout this topic you will consider what social justice is, consider the definition of poverty and consider who is responsible for poverty and helping the poor. You will also explore the concept of wealth, and explain the impact of prejudice and discrimination. By the end of this topic you should be able to examine religious views on wealth and poverty, examine religious teachings on prejudice and discrimination, and examine ways in which prejudice can be fought against.

Key Vocabulary and Terminology



Tier 2: Adjective, observation, wealth, absolute poverty, relative poverty, unemployment, addiction, bereavement, redundancy, gambling, crime, charities, discrimination, sexism, racism, homophobia, injustice, prejudice

Tier 3: Christian, God, Jesus, Baptist, Methodist, heaven, Teachings of Muhammad, Islam, Sikhism, Buddhism, Zakat, Five Pillars of Islam, Monks, Vand Chhanka, Sewa, Guru Nanak, humanist, Pope

Further Learning



BBC Bitesize: An explanation on social justice - [What is equality and social justice? - BBC Bitesize](#)

BBC Northern Ireland: Video examples about social justice - [What is inequality and social justice? - BBC Bitesize Key Stage 3 Learning for Life and Work - Bing video](#)

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Student Learning Journey

Subject: Science Year 7 Biology 7B3 The Human Body Part 2

Previously you have learnt



In primary school, you learnt to identify the main parts of the human body including organs in the circulatory system. Earlier this year, you learnt about different types of cells and organs and their functions.

In this unit you will learn



To describe how sense organs transfer information to the brain, explain the mechanism of breathing, explain how gases are exchanged in the lungs, describe the structure and function of the circulatory system and describe the structure of the heart.

Key Vocabulary and Terminology



Tier 2: Describe, explain, exchange, structure, function.

Tier 3: Cell, tissue, organ, organ system, organism, receptor, respiratory, circulatory, cardiovascular.

Further Learning



[BBC Bitesize – Respiratory System Notes](#)

[BBC Bitesize – Circulatory System Notes](#)

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Student Learning Journey

Subject: Science Year 7 Chemistry 7C3 Chemical Reactions

Previously you have learnt



Earlier this year, you learnt about the particle model and the properties of atoms.

In this unit you will learn



To describe the difference between elements and compounds, describe what happens in a chemical reaction, balance symbol equations, describe the difference between combustion and decomposition reactions and describe exothermic and endothermic reactions.

Key Vocabulary and Terminology



Tier 2: Describe, explain, difference, balance.

Tier 3: Element, compound, equation, combustion, decomposition, exothermic, endothermic.

Further Learning



[BBC Bitesize – Chemical Reaction Notes](#)

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Student Learning Journey

Subject: Science Year 7 Physics 7P3 Waves Part 2

Previously you have learnt



At primary school, you identified that sounds are made through vibrations and investigated pitch and volume. Earlier this year, you described the properties of transverse waves such as light.

In this unit you will learn



To investigate uses of waves in the electromagnetic spectrum, describe longitudinal waves, explain what causes loudness and pitch, explain how longitudinal waves are used.

Key Vocabulary and Terminology



Tier 2: Loudness, pitch, investigate, explain, uses.

Tier 3: Transverse, longitudinal, spectrum, vibration, echo.

Further Learning



[BBC Bitesize – Waves Notes](#)

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Student Learning Journey

Subject: Spanish Year 7 El Tiempo Libre (Free time)

Previously you have learnt



how to give reasons to justify your opinions. Last term you learnt how to use the third person and give opinions. Your Spanish phonics and reading skills will have improved giving you confidence to read and speak aloud.

In this unit you will learn



How to talk about hobbies and free time, which ones you like. You will extend this to talk about free time activities of your friends and family. This may include sport, music, outdoor or indoor games. We will continue to embed phonics and focus on speaking skills.

Key Vocabulary and Terminology



Tier 2 Stem changing verbs, Three time frames, opinions

Tier 3 me chifla, me fascina..., me interesa, Practicar vs jugar, Me gusta, no me gusta, jugar, hacer, ayer, hoy, mañana, en el futuro

Further Learning



Please look at our department Padlet under Y7

[KS3 Spanish](#)

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