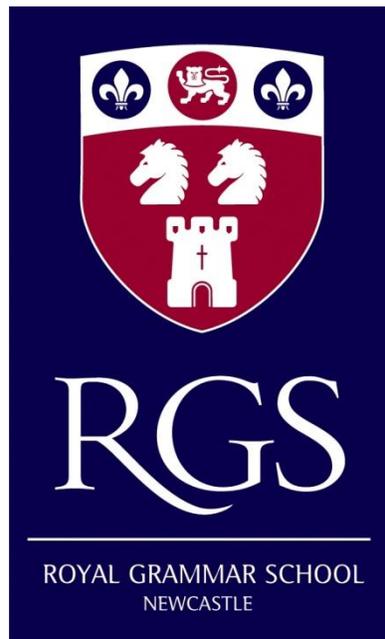


RGS Junior School
Year 3
Curriculum
2020-2021



“One School, One Team.”

Year 3 Curriculum

Welcome to Year 3. We know that children will be excited by the challenges and adventures to come in the forthcoming months so here is a little taster of what to expect to learn during the course of the year. Where possible, lessons will be supplemented by various trips to places like the Hancock at the Great North Museum and Arbeia Roman Fort. Within the school year, we are keen to capitalise on other ways in which to enhance the children's learning and these can include trips to the theatre, visiting authors or national events. ***Work can therefore be based around a range of topical events, leading to changes being made as to when certain aspects of the curriculum may be taught.*** Above all, we aim to provide a varied, interesting and fun curriculum for children in Year 3, encouraging them to want to learn more both in school and at home. Hopefully, this guide will assist them in their quest for further knowledge!



Year 3 Maths		
Autumn Term	Spring Term	Summer Term
Word Problems Place Value - Sequences to 1000 Addition & Subtraction facts to 20 Money - Using £1 and £2 coins Length, Mass Reasoning about 3D Shapes Handling Data - Frequency tables Counting and Properties of Numbers to 1000 Table facts for 2's, 3's, 4's, 5's and 10's Division by 2, 5 and 10 Money and Real Life Problems Fractions – halves, quarters & tenths Written Addition and Subtraction Time Comparing, ordering, adding and subtracting fractions with same denominator Tell time to the nearest minute Know the number of seconds in a minute, days in each month and year and leap year	Word Problems Place Value Addition and Subtraction with bridging Shape Capacity Time - Minutes past and to Counting and Properties of Number Multiplication and Division <ul style="list-style-type: none"> - Multiplying a two digit number - Division by 2, 3, 4, 5 and 10 - Division with remainders - Doubling and halving - Multiply & divide by 10 and 100 Data Handling – Pictograms Adding 10s or 100s to 3 digit numbers Right angles (identifying angles greater or less than a right angle)	Word Problems Addition and Subtraction <ul style="list-style-type: none"> - Adding 3 digit numbers - Subtracting multiples of 10 - Small differences Exam Practice Money Adding and Subtracting <ul style="list-style-type: none"> - Adding 3 digit numbers - Using and applying Linking Multiplication and Division Area Data Handling Carroll/Venn diagrams Counting in tenths

Year 3 English			
	Autumn Term	Spring Term	Summer Term
Writing	Description of story setting with a picture stimulus, Character descriptions, Acrostic poetry, Show and tell, Letter writing.	Story writing, Mini-sagas, Writing in paragraphs, Instructions, Proof-reading techniques.	Character descriptions, Postcards, Story writing, Newspaper articles, Letter writing, Book reviews.
Grammar & Language	Capital letters and full stops, Adjectives & adverbs, Question marks, Exclamation marks, Commas in lists, Verbs.	Nouns, Adjectives & adverbs, Capital letters in text, Speech marks, Apostrophes, Introductions to prepositions	Conjunctions, Time connectives, Pronouns, Clauses & subordinate clauses.
Comprehension	Weekly comprehension tasks based on class readers or linked to creative writing work.		
Class Reader	The Boy Who Grew Dragons	The Iron Man	James & The Giant Peach

Year 3 Science		
Autumn Term	Spring Term	Summer Term
<p>Magnets and springs Materials magnets will attract; materials magnets will not attract; uses of magnets; magnets attract and repel each other.</p> <p>Rocks and soils Uses for rocks e.g. to build things; structure, texture and colour of rocks; grouping rocks and soils; using appropriate scientific terms and language; erosion of rocks; rock formation; sedimentary, igneous and metamorphic rocks; soil samples - colour and texture; size of particles; separating soils by sieving.</p>	<p>Helping plants grow well Plants as food and other uses; plants grow; roots, stems and leaves; measuring plants; factors which affect growth – water, temperature, light.</p> <p>Light and shadow Formation of shadows; light sources, the shape of shadows; different types of shadow from opaque of transparent materials; how and why shadows change during the day; the sun at midday; the Earth spins on its axis.</p>	<p>Teeth and healthy eating Why we need to eat; foods for good health; varying diets; animals diets; carnivores, herbivores & omnivores; teeth; functions & shape of different teeth; structure of a tooth; keeping teeth healthy; some foods can be damaging to our teeth.</p> <p>Materials and their properties Review materials and their properties; distinguish objects and materials; describe & compare materials in terms of their properties; why materials are used; different of the same material; properties of glass.</p>

Year 3 Geography		
Autumn Term	Spring Term	Summer Term
<p>Map Work Bird's Eye Views Positions Points of the compass, Basic map symbols Grid references Using keys Reading Simple Maps Continents and Oceans of the World Northern and Southern Hemisphere Equator</p> <p><u>Welcome to the UK</u> Which countries form the UK? Major Cities</p>	<p><u>Why are Jungles so Wet and Deserts so Dry?</u> Comparing and contrasting different climates Where are different climate zones located? How do animals and plants adapt for different climates? Trip to Great North Museum and workshop (if possible)</p>	<p><u>Why Do Some Earthquakes Cause More Damage Than Others?</u> What causes earthquakes and how are they measured? What effect do earthquakes have on towns and cities and how do people prepare for them?</p>

Year 3 History		
Autumn Term	Spring Term	Summer Term
<p><u>All About Me</u> What are the key events in my life? How do we organise events on a timeline? How do I fit into the history of the RGS?</p> <p><u>Remembrance Day</u> What is Remembrance Sunday? Why do people go to the Cenotaph on Remembrance Sunday? Why is the poppy significant? The Life of Walter Tull</p>	<p><u>How did the lives of Ancient Britons change during the Stone Age?</u> What is pre-history? To know the significance of Cheddar Man. Where did Stone Age people live? How and why were hill forts constructed? How did Stone Age people live? Why were cave drawings created? What was the significance of the Beaker People? <u>How do artefacts help us understand the lives of people in Iron Age Britain?</u> Trip to Great North Museum and workshop (if possible)</p>	<p><u>How did the arrival of the Romans change Britain?</u> To understand the significance of Ivory Bangle Lady Why was Hadrian's Wall built and what were the lives of those who lived there like? What would it have been like to live in Roman society? How have the Romans influenced life today?</p>

Year 3 French		
Autumn Term	Spring Term	Summer Term
Greetings Names Classroom objects Numbers 0-10 Christmas.	Numbers 0-39 Age Days of the week Months of the year Dates & birthday Colours family	Pets Revision of topics covered.

Year 3 PSHE/Religious Education		
Autumn Term	Spring Term	Summer Term
<p>Living in the Wider World Our nightmare school Our dream school Being a global citizen 1 Being a global citizen 2</p> <p>Religion: Sikhism Theme: The Amrit Ceremony and the Khalsa Key Question: Does joining the Khalsa make a person a better Sikh?</p>	<p>Relationships Families Family conflict Witness and feelings Witness and solutions Words that harm Compliments</p> <p>Religion: Christianity Theme: Easter - Forgiveness Key Question: What is 'good' about Good Friday</p>	<p>Health and Wellbeing Being fit and healthy What do I know about drugs? Being safe Being safe at home My amazing body</p> <p>Religion: Hinduism Theme: Hindu beliefs Key Question: How can Brahman be everywhere and in everything?</p>

Year 3 Drama		
Autumn Term	Spring Term	Summer Term
An Introduction to Drama Adapting story books and poetry	BBC Audio: The Great Fire of London Shakespeare Stories: The Tempest	The Romans Aliens

Year 3 Art						
Term	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Topic	Portraits	Weather and Seasons	Animals	Flower studies	Roman Art	Seascapes
Painting	Great artist study: Picasso. Self-portrait	Pumpkin Observation Firework Carousel (paper marbling and mixed media) Colour Wheel Umbrella.	Great artist study: Paul Klee	Great artist study: Hundertwasser	Roman shields	Lighthouses Printmaking seaside objects
Drawing	Traditional portraits Great artist study: Paul Klee	Christmas card	Owl sketching	Observational drawings of flowers	Roman portraits	
Sculpture	Paper Portraits.	Kandinsky Calendar	Clay hedgehogs	Flower Printing	Roman pots	
Textiles	Self-portrait photo weaving Stained glass window portraits	Great artist study: Wassily Kandinsky		Sunflowers mixed media	Roman mosaics	Seaside collage
Art Appreciation	Leonardo da Vinci			Van Gogh		

Year 3 Computing		
Autumn Term	Spring Term	Summer Term
<p>Rules of Responsible use of computers, iPad and the Internet. Digital Learning Acceptable User Agreement</p> <p>Office 365</p> <p><i>All pupils need Teams and Office Lens downloaded on a device at home please.</i></p> <p>Teams An introduction to Teams and using Class Notebook.</p> <p>Email An introduction to email using Outlook. Pupils will be taught how to access their emails, send emails, and add attachments.</p> <p>Bebras Throughout this term, we will also focus on computational thinking skills in preparation for the Bebras competition in November.</p> <p>Networking -Understand that computers in a school are connected together. -Understanding why computers are connected together. -Learning about the difference between the Internet and the World Wide Web and complete research using the Internet.</p> <p>Making and sharing a short screencast presentation (Office 365) An introduction to Office 365 and sharing work.</p> <p>In this unit, the pupils choose a topic to teach to others. They research this using web-based sources, plan a presentation, source and create visual content.</p> <p>-Choosing a suitable template. -Adding text and altering font/size/colour. -Adding transitions. -Importing images.</p> <p>Digital safety focus in lesson starters using Kara Winston and the Smart Crew and Hector's World.</p> <p>Digital safety focus: Privacy and Security</p>	<p>Reminder of digital safety key messages. Safer Internet Day will be on the 9th February 2021 in the UK with the theme: An internet we trust - exploring reliability in the online world.</p> <p>Book Creators -Create an e-book using iPad app Book Creator. -Combine text and graphics. -Add audio to book.</p> <p>We are presenters -iMovie -Camera to film and take photos. -Adding transitions. Adding text. Adding voiceover. This unit gives them a chance to make a short narrated video of themselves practising a sport or other skill, and to use this to help improve their performance.</p> <p>Digital safety focus: Online Relationships</p>	<p>Reminder of digital safety key messages.</p> <p>We are bug fixers</p> <p>Algorithms -Understanding the term algorithm -Write and algorithm in a flow chart -Understand and use repetition within algorithms</p> <p>Programming using iPad apps In this unit the children will be developing their programming skills using a variety of iPad apps with increasing complexity.</p> <p>Programming Scratch Games In this unit the children will be introduced to Scratch's block-based coding language. They will build adventure maze games and design their own levels, characters and objects to collect. -Write and test programs. -Understand that programs are executed by following a sequence of instructions. -Use logical reasoning to predict the behaviour of simple programs. -Design and write programs that accomplish specific goals.</p> <p>Digital safety focus: Health and Well-being</p> <p>Digital Literacy and Citizenship Follow the Digital Trail Pupils learn that the information they put online leaves a digital footprint or "trail." This trail can be big or small, helpful or hurtful, depending on how they manage it.</p>

Year 3 Music		
Autumn Term	Spring Term	Summer Term
<p>The Beat</p> <p>Families of the Orchestra – identifying features of the different families and the similarities and differences between them.</p> <p>Using a piece of classical music by Tchaikovsky, (Russian Dance from <i>The Nutcracker Suite</i>), children will develop their rhythmic skills working with different metres and will learn how to build rhythms. Note values and beats will be focussed on, as well as developing pitch sense.</p> <p>Musical concepts explored:</p> <ul style="list-style-type: none"> • Crotchet, quaver, minim, semibreve, crotchet rest, treble clef pitches, stave, bar, barline, repeat mark, 4/4 and 3/4 time signatures; name some notes on the stave • Beat, rhythm, ostinato • Families of the Orchestra: String, Wind, Brass and Percussion sections of the orchestra. <p>Carol Service preparation.</p> <p>As well as traditional congregational carols, songs and words for a Year 3 and 4 Carol Concert will be learnt.</p> <p>Developing performance skills for a specific place and occasion.</p> <p>Developing singing skills: accuracy, expression and physical presentation.</p>	<p>Notation and Performance</p> <p>Using the ocarina, students will be introduced to Oc-Pix and Oc-Box notation, before progressing onto standard notation. They will focus on producing a good sound, maintaining the beat, accuracy, ensemble playing and performing to an audience.</p> <p>Music Technology</p> <p>Isle Of Tune app used to reinforce understanding of note values and to compose simple rhythms.</p> <p>Musical concepts explored:</p> <ul style="list-style-type: none"> • Crotchet, quaver, minim, semibreve, crotchet rest, treble clef pitches, stave, bar, barline, repeat mark, 4/4 and 3/4 time signatures; name notes of the D major scale • Performance • Ensemble playing <p>Trial Scheme</p> <p>Opportunity to learn a string instrument for a term with one of our Visiting Music Teachers.</p>	<p>Musical Stimuli</p> <p>The children will discover how music can be inspired by a variety of stimuli, using Smetana's <i>Ma Vlast</i> as their focus piece. The children will compose their own short pieces of music on the theme of water. They will learn about melodic shape and the effect different shapes have on the listener. The children will also listen to Baroque composer, Handel and learn how he uses the theme of water in his music.</p> <p>Musical concepts explored:</p> <ul style="list-style-type: none"> • Tempo, beat, rhythm • Dynamics • Sonority • Improvisation • Composition and participation in group composition projects • Transcription – graphic and standard notation • Melodic shape

Year 3 D&T		
Autumn Term	Spring Term	Summer Term
<p>Pneumatic Systems - Moving Monsters Levers - Pop Up Cards</p>	<p>Food Technology - Dips and Dippers Food Technology – Fruit Cocktails.</p>	<p>Textiles - Puppets Textiles - Purses and Wallets</p>

Year 3 Physical Education		
Autumn Term	Spring Term	Summer Term
<p>Fundamental skills Introduction to functional movement. Every lesson will allow children to develop their locomotion, manipulation and stabilisation skills (fundamental movement skills) Lesson focus on agility, balance, speed, strength and coordination.</p> <p>Gymnastics. Basic shapes, jumps, rolls. Body control. Sequencing, vaulting, strength work.</p>	<p>Dance Perform dances using a range of movement patterns. Learn and create dance routines. House dance competition.</p> <p>Ball skills Focus on ball familiarisation. Develop catching, passing, dribbling and striking. Introduction to invasion, game play and positioning</p>	<p>Athletics Introduction to a variety of jumps, runs, throws focussing on correct technique and fundamentals.</p> <p>Short tennis: Familiarisation of racket, grip and balance Emphasis on basic stroke play.</p>

Year 3 Games		
Autumn Term	Spring Term	Summer Term
<p>General fitness.</p> <p>Boys.</p> <p>Cricket: Introduction to basic fundamentals of catching, throwing, fielding and striking. Introduction to game play and decision making.</p> <p>Rugby. Introduce the game of rugby through tag. Ball familiarisation. Focus on basic catching, passing, traveling and invasion.</p> <p>Girls.</p> <p>Hockey. Understanding of basic passing techniques, rules of the game through play.</p> <p>Football. Ball familiarization, simple passing, shooting and dribbling skills</p>	<p>Cross-country, long distance, interval training, steps work.</p> <p>Boys.</p> <p>Football. Ball familiarization, simple passing, shooting and dribbling skills. Identification of space and control through small sided games.</p> <p>hockey. Understanding of basic control, passing and dribbling techniques, rules of the game through play.</p> <p>Girls.</p> <p>Netball. Sending and receiving, maintaining possession. Positional and invasion play through games.</p>	<p>Boys and Girls.</p> <p>Athletics. Introduction to different running, jumping and throwing events.</p> <p>Boys and Girls.</p> <p>Cricket Developing the fundamentals of catching, throwing, fielding and striking. Introduction to game play and decision making.</p>

Year 3 Swimming		
Autumn Term	Spring Term	Summer Term
<p>Stroke development of front crawl, backstroke and breaststroke. Introduction of ASA Water Skills.</p>	<p>Stroke development of front crawl, backstroke and breaststroke. Introduction of shallow dives. Development of ASA Water Skills.</p>	<p>A continuation of: Water skills and stroke development Shallow diving Introduction of Personal Survival Skills.</p>