



Year 7 Independent Learning Booklet



Dear Student & Parent,

This booklet gives you an outline of all of the different things that will be taught throughout the whole year.

It also suggests all of the different independent enrichment activities that you can do to enhance your learning outside of school.

These activities range from watching movies and using websites to visiting museums and joining clubs.

These can be fun things to do for all of the family and they provide excellent independent learning opportunities.

This not only enhances learning within school, it is excellent preparation for the type of independent study that you will need to be able to do for exam courses in the future.

Keep this at home for the year and enjoy!

Independent Enrichment Learning Opportunities for ART

Term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Basic Elements Jasper Johns Numbers City of Culture	<p>Project Brief: Study the Basic Elements of Colour, Pattern, Tone, Shape, Form, Line and Texture.</p> <p><i>Explore the work of Jasper Johns and Numbers and create a final piece using his work as inspiration. The students will focus on the numbers 2,0,1 and 7 for the city of culture.</i></p> <p>Tessellation, symmetry, shape, paint, print making, abstract art, expressionism, composition, tone, pattern, colour, line</p>	<p>Visit: The Ferens Art Gallery to look at the work of other artists and appreciate the scale and techniques of the paintings.</p> <ul style="list-style-type: none"> • Design a range of numbers significant to the family in a range of fonts; this could be birthdays, house numbers, ages etc. • Look at the work of expressionists and Pop Artists through the BBC arts programme.
CHRISTMAS HOLIDAYS			
2	Other Cultures	<p>Project Brief: Study the art work of other cultures.</p> <p><i>Create a series of studies relating to the work of other cultures.</i></p> <p>Collage, painting, drawing, pattern, scale, sculpture, design, tone, colour.</p>	<p>Visit: 'The Ferens Art Gallery' to see artists' styles and study work produced by other artists.</p> <ul style="list-style-type: none"> • Collect a series of patterns and sculptures from other cultures. • Research the family culture • Look through magazines and collect as many different types of cultural examples as you can and present them as a collage.
EASTER HOLIDAYS			
3	In the style of.....	<p>Project Brief:</p> <p><i>Produce work inspired by the work of other artist.</i></p> <p>Colour theory, emotions, moods, art movements, art history, world events,</p>	<p>Artist study: Visit a gallery and choose your favourite painting to study.</p> <p>Documentary: Life in the Arts- Kandinsky- Abstract art, available on YouTube, many documentaries of different styles and artists available.</p> <p>Visit the Ferens Art Gallery for inspiration, will as a class during the term.</p> <p>Read a newspaper, pick a headline and draw a response to the story, thinking about colour, emotions, line, composition etc.</p>

Independent Enrichment Learning Opportunities for ENGLISH

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Literacy Focus	Word Class, Spelling, Sentences, Comma rules, Apostrophes, Homophones, Persuasive Devices, Discursive Markers, Writing to persuade	Literacy consolidation: <ul style="list-style-type: none"> • http://www.bbc.co.uk/bitesize/ks3/english/writing/ • http://www.lamlearning.co.uk • The Complete English Grammar <i>(on youtube.com)</i> • Watch an episode of Room 101 • Write down a list of pros and cons of school uniform and do some research on school uniform in other countries.
2	Developing Fiction writing <i>Writing to imagine, describe and narrate</i>	<ul style="list-style-type: none"> - Different persuasive techniques - Write for different purposes, tones, formats and audiences 	
CHRISTMAS HOLIDAYS			
3	Reading Fiction	Holes Blitzed Gangsta Rap (The selection of novel depends on the class ability)	Pupils can do some background research on the authors.
			(Holes) Learning website: http://www.scholastic.com/holes/index.htm
4			(Blitzed) Visit: Eden Camp at Malton
		(Gangsta Rap) Watch the MOBO (Music of Black Origin) award on YouTube.	
EASTER HOLIDAYS			
5	Pre and Post 1914 Poetry	Blake <ul style="list-style-type: none"> • Zephaniah • Rossetti • Duffy 	<ol style="list-style-type: none"> 1. Find out some information about famous poets and their works 2. Look into Hull's poets and poetry traditions 3. Revise different poetic devices
MAY HALF TERM HOLIDAY			
6	Developing Non-fiction Writing 1 <i>Writing to inform and explain</i>	<ul style="list-style-type: none"> • Learn the convention of writing a newspaper article. • Creation of their own version of Trinity Tidings 	Reading: Tabloid/ Broadsheet <ul style="list-style-type: none"> - ICT skills: MS publisher - Find out some historical information of Hull Trinity House - Take some photos during major events, such as sports day, sponsor walk, prize day, etc.

Independent Enrichment Learning Opportunities for FRENCH

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Bridging Unit	<ol style="list-style-type: none"> 1. Greetings 2. Alphabet 3. Cognates and Opinions 4. Phonics and Dictionary Skills 5. Song: Papaoutai from Stromae 6. Numbers 1-20 and Age 7. Brothers and Sisters 	<p>Students can use different ways to improve their French:</p> <p>- Practise the topics on: www.duolingo.com very good language learning website. And it is completely free! www.languagesonline.org.uk in the section Français - Find a topic that relates to what we have done or a new one and pupils can practice and learn new things. www.iamlearning.co.uk - Great reading practice on all the topics (use normal school login and password).</p> <p>- Watch songs on YouTube: Watch the "Alphabet Song" on YouTube: http://www.youtube.com/watch?v=IWNWobUPAtM Watch the "Birthday Song" on YouTube: http://www.youtube.com/watch?v=jcwcGwaS_2w Watch the "Avoir Song" on YouTube: http://www.youtube.com/watch?v=hQNqtaCbjDk Watch the "Aller Song" on YouTube: http://www.youtube.com/watch?v=y47eSILSxa0</p> <p>- Watch French songs on YouTube: Listen to French music from Stromae or Kyo. Find out more about the artists. What is your favourite song?</p> <p>- Research Francophone countries: Find out information about other French speaking countries (population, languages spoken, speciality dishes...)</p> <p>- Cook French dishes: Find out on the internet how to cook Quiche or Crepes and try it out!</p>
OCTOBER HALF TERM HOLIDAY			
2	Allez 1 Unit 1 Tout sur moi <i>All about me</i>	<ol style="list-style-type: none"> 1. Introduce yourself 2. Birthday 3. Describe yourself and other people physically (Video: Un magasin de visages) 4. Describe your favourite object 5. French speaking Countries and Regions (Text: Madagascar) 	
CHRISTMAS HOLIDAYS			
3	Allez 1 Unit 2 Mon monde perso <i>My world</i>	<ol style="list-style-type: none"> 1. Describe your Personality 2. Describe your Family 3. Give Opinion on School Subjects 4. Describe your Friends 5. Compare now with How you used to be 	
FEBRUARY HALF TERM HOLIDAY			
4	Allez 1 Unit 3 Autour de moi <i>Around me</i>	<ol style="list-style-type: none"> 1. Your School 2. Where you Live 3. Leisure Activities 4. Present tense of ER Verbs 5. Animals (pets, wild animals, farm animals, animals you used to have) 6. Text+ Video: War Horse 	
EASTER HOLIDAYS			
5	Allez 1 Unit 4 À table <i>Eating</i>	<ol style="list-style-type: none"> 1. Breakfast food 2. Lunch and Dinner food 3. Opinions on food 4. What you like to order at a restaurant 5. Numbers 1-100 and quantities 	
MAY HALF TERM HOLIDAY			
6	Allez 1 Unit 5 Mon quartier <i>My neighbourhood</i>	<ol style="list-style-type: none"> 1. Places in Town 2. Adjectives 3. Activities you can do in your Area 4. Directions 5. Arranging to go Out 	

Independent Enrichment Learning Opportunities for GEOGRAPHY

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Our restless planet	Structure of the earth; plate tectonics; formation of volcanoes; what are earthquakes, what damage do they do and why; what are tsunamis and what damage do they do; how do we respond to natural disasters; why do poorer countries cope less well?	Design a machine to travel to the centre of the earth (what problems will you face?); Make a jig saw to show how the earth's plates fit together; make a model of a volcano; search the Internet for earthquakes that have happened today; design an earthquake proof building; watch the films "The Core", "Dante's Peak", "SuperVolcano" and "Volcano".
2			
CHRISTMAS HOLIDAYS			
3	Map skills and making connections	The concept of scale; What a plan is; What grid references are and their purpose; How to measure distance on a map; Compass points and direction; Drawing sketch maps; Using OS maps and measuring height on an OS map	Walk the Fish Trail in Hull City Centre; Use Google maps (free download) to find your family and friends homes; Draw your bedroom to scale including all the furniture; research how maps of the world have changed over time; design you own map symbol game (like snap???)
FEBRUARY HALF TERM HOLIDAY			
4	Climate and Ecosystems	Factors affecting climate UK Climate Climates around the world Rainforest Ecosystem Desert Ecosystem	Factors affecting climate https://www.youtube.com/watch?v=95TtXYjOEv4 History of earth's climate https://www.youtube.com/watch?v=dC_2WXYORGA Rainforest Ecosystems - Animals https://www.youtube.com/watch?v=H9MV5CgPgIQ Rainforest Ecosystems - Plants https://www.youtube.com/watch?v=lnT2qpJRpfs Rainforest Ecosystems - tribes
5			Rainforest Ecosystems – destruction https://www.youtube.com/watch?v=L9Ma6gmKRA Desert Ecosystem https://www.youtube.com/watch?v=Nbi4wW7ojXs Desert Ecosystems – plants https://www.youtube.com/watch?v=TIbpYeuVKpl Desert Ecosystems – Animals https://www.youtube.com/watch?v=lpbJfMJU-Mo Desert Ecosystems – Tribes https://www.youtube.com/watch?v=Bhu2hnebLiw Desert Ecosystems – desertification https://www.youtube.com/watch?v=INeav1i16ml
MAY HALF TERM HOLIDAY			
6	Population	How many people are there on earth? How has the earth's population grown? Which parts are crowded and which parts have few people? How is earth's population likely to change? What is likely to happen to the UK's population? What are the global consequences of too many people?	World's population growth http://www.youtube.com/watch?v=dN06tLRE4WE Can the earth cope? http://www.youtube.com/watch?v=nt4Ajq-4fml Migration into the USA http://www.youtube.com/watch?v=j5J9b3aABt8 Migration in the UK http://www.youtube.com/watch?v=oVPORRvI2WE&list=PLD80EB68F4CF646AE

Independent Enrichment Learning Opportunities for HISTORY

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	The Norman Invasion	Battle of Stamford Bridge, Battle of Hastings, Bayeux Tapestry, Reaction to Norman rule, Domesday book.	<ul style="list-style-type: none"> - 1066 game: http://1066game.com/ - Viking collection in the Hull and East riding Museum - Book: Horrible histories 'the Stormin' Normans'. -
OCTOBER HALF TERM HOLIDAY			
2	Castles	Motte and Bailey Castles, Castles with Stone Keep, Concentric Castles.	<ul style="list-style-type: none"> - Visit to Lincoln Castle (example of a Motte and Bailey Castle'. - Visit to Pickering Castle.
CHRISTMAS HOLIDAYS			
3	Medieval Britain	Medieval towns, villages, jobs, daily life, battles, rulers and religion.	<ul style="list-style-type: none"> - The mystery of the black death http://www.youtube.com/watch?v=G55Uh0Fah_k - http://www.bbc.co.uk/bitesize/ks3/history/middle_ages/peasants_revolt/revision/1/
FEBRUARY HALF TERM HOLIDAY			
4	As above	As above	As above
EASTER HOLIDAYS			
5	Black Death and History of medicine	Bubonic Plague, Pneumonic Plague, Causes, symptoms and cures, Peasants revolt, key developments of medieval medicine through to modern day.	<ul style="list-style-type: none"> - The mystery of the black death http://www.youtube.com/watch?v=G55Uh0Fah_k - http://www.bbc.co.uk/bitesize/ks3/history/middle_ages/peasants_revolt/revision/1/
MAY HALF TERM HOLIDAY			
6	The Crusades	Causes of the Crusades, First Crusade, Second Crusade, Third Crusade, Fourth Crusade, Children's Crusade.	<ul style="list-style-type: none"> - The crusades by Terry Jones (put this as a search into you tube) - Film: 'Kingdom of Heaven' set in the context of the crusades. - Book: horrible histories 'nasty knights and crazy crusaders'.

Independent Enrichment Learning Opportunities for COMPUTING

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Matesbook	This unit of work is based around developing a social networking site aimed at a young audience (9 to 14 years of age), called Matesbook. The unit investigates good practice in web design, addresses issues regarding the safety of social networking sites, the creation of on-line identities and Terms of Use which should apply to the Matesbook site.	No-one under the age of 13 should be using Facebook, but many parents or relatives have accounts and can show sections of their accounts, to show the features they have.
OCTOBER HALF TERM HOLIDAY			
2	Activities Week	This unit of work asks students to carry out a survey to find out which activities might be offered for an Activities Week in school. Students have to research the likely cost, including transport, expert tuition, entrance fees, etc. They then model the cost of the activity, changing variables to meet particular targets and situations. Finally, they promote the activity to students and parents by producing a letter and a section from the Activities Week brochure.	They can think about what they may have done in their Primary School. They could find out the cost of different events or activities near their home.
CHRISTMAS HOLIDAYS			
3	Quiz Quest	This unit of work is based around pilot editions of a TV programme called Quiz Quest, aimed at 8 to 14 year old children. Each week in the programme, two teams of contestants answer questions in order to complete a quest. Students are asked to produce suitable quizzes based on quests of their own devising, which might be used in further pilot episodes.	Watching TV quiz shows or reading quiz books might help them to understand the type of questions and the difficulty they need to look for, when designing their own quizzes.
FEBRUARY HALF TERM HOLIDAY			
4	Art Gallery	This unit is about creating a personal website to promote students' achievements in art, by designing, planning, and creating content for the site. While doing so, they learn about web technologies, and some of the problems faced when creating a website. They find out about the standard features of a webpage and how to create the graphics needed for a consistent house style. Issues such as web-safe fonts, image file types and sizes, and user interaction are also covered.	Students can sign up and learn how to program in HTML at this web address: https://www.codecademy.com/en/tracks/web
EASTER HOLIDAYS			
5	Flying Saucer	Write a simple computer game, to control a flying saucer to dodge asteroids using Adobe Flash. This process involves algorithms using flow diagrams and breaking problems down into smaller sections to make them manageable. The basic game is used to teach necessary planning and coding concepts, while the second version is used to show how this game can be developed as part of the evaluation process and encourages students to plan and write their own code independently.	Adobe Flash can be downloaded and installed on home computers. Students could therefore practice these skills at home.
MAY HALF TERM HOLIDAY			
6	Safari Park	This unit of work is based on a safari park which is being set up in Northern California, with seven habitats, to keep endangered species of animals in as natural an environment as possible. There is a database of animals to use to match animals to their habitats and to identify predators / prey in each habitat. They have to work out how many predators can be supported by a specific number of prey using a spreadsheet model to find the "break even" point where predator numbers are supported by the numbers of prey. Finally, they promote the park by creating a three-fold brochure.	Watching nature programs will give them a greater understanding of the different habitations. Could also go to a zoo to see how enclosures are made to resemble their natural habitats.

Independent Enrichment Learning Opportunities for MATHS STAGE 6

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Numbers and the number system	Factors and multiples, investigating primes, exploring negative numbers	http://nrich.maths.org/5448
	Calculating	Develop mental and written calculation methods, BIDMAS, solve problems using all operations	http://nrich.maths.org/6928
OCTOBER HALF TERM HOLIDAY			
2	Calculating: Division	Develop written methods for division, using remainders in division, solving problems using all operations	http://nrich.maths.org/5400
	Visualising and constructing	Construct 2D shapes Investigate 3D shapes	http://nrich.maths.org/8294
	Investigating properties of shapes	Properties of 2D shapes Angles in polygons Use vocab of circles	http://nrich.maths.org/1962
	Algebraic proficiency: using formulae	Create and use simple formulae; using both words and algebra	
CHRISTMAS HOLIDAYS			
3	Exploring fractions, decimals and percentages	Equivalence of fractions Equivalence of fractions decimals and percentages	http://nrich.maths.org/8283
	Proportional reasoning	Solve problems using scaling Explore enlargements Solve problems involving groups and sharing	http://nrich.maths.org/1026
	Pattern sniffing	Explore number sequences	http://nrich.maths.org/6863
	Measuring space	Solve problems involving measurement Use different units of measure	http://nrich.maths.org/7500
FEBRUARY HALF TERM HOLIDAY			
4	Investigating angles	Develop knowledge of angles Apply facts to deduce unknown angles	http://nrich.maths.org/2844
	Calculating fractions, decimals and percentages	Use fractions, decimals and percentages to solve problems	http://nrich.maths.org/5467
EASTER HOLIDAYS			
5	Solving equations and inequalities	Understand and use algebra Solve missing number problems	http://nrich.maths.org/1117
	Calculating space	Area and volume Solve problems involving area and volume	http://nrich.maths.org/89
	Checking, approximating and estimating	Approximating numbers Exploring ways of checking numbers	http://nrich.maths.org/5633
MAY HALF TERM HOLIDAY			
6	Mathematical movement	Use Cartesian coordinates Transformations	http://nrich.maths.org/6288
	Presentation of data	Construct and interpret Pie charts	http://nrich.maths.org/4937
	Measuring data	Understand and use the mean	http://nrich.maths.org/7553
	Assessments	Year 7 end of year test	My maths revision booster packs

Independent Enrichment Learning Opportunities for MATHS STAGE 7

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Numbers and the number system	Solve problems using primes Highest common factor and lowest common multiple problems Powers and Roots	http://nrich.maths.org/8149
	Counting and comparing	Compare and Order Numbers	http://nrich.maths.org/110587
OCTOBER HALF TERM HOLIDAY			
2	Calculating	Understanding place value Written methods of calculation Calculate with decimal using all four operators	http://nrich.maths.org/605
	Visualising and constructing	Interpreting and applying Geometrical conventions and notation	http://nrich.maths.org/5920
	Investigating properties of shapes	Properties of 3D shapes Explore triangles and quadrilaterals	http://nrich.maths.org/2924
CHRISTMAS HOLIDAYS			
3	Algebraic proficiency: tinkering	Understand vocabulary and notation of algebra Manipulate algebraic expressions Explore functions	http://nrich.maths.org/2289
	Exploring fractions, decimals and percentages	Using improper (top-heavy) fractions Explore links between fractions and percentages	http://nrich.maths.org/4345
	Proportional reasoning	Using ratio notation Solve problems that involve dividing into a ratio	http://nrich.maths.org/6870
FEBRUARY HALF TERM HOLIDAY			
4	Pattern sniffing	Explore number sequence	http://nrich.maths.org/7529
	Measuring space	Measuring accurately Convert between measures Solve problems involving measurements	http://nrich.maths.org/5608
	Investigating angles	Using correct angle vocabulary and notation Investigating different types of angles	http://nrich.maths.org/6265
EASTER HOLIDAYS			
5	Calculating fractions, decimals and percentages	Using all four operators with mixed numbers Identifying multipliers for percentage change	http://nrich.maths.org/1118
	Solving equations and inequalities	Solving two and three step equations using different methods	http://nrich.maths.org/6199
	Calculating space	Develop knowledge of area, surface area and volume	http://nrich.maths.org/6398
MAY HALF TERM HOLIDAY			
6	Checking, approximating and estimating	Explore ways of approximating numbers and checking answers	
	Mathematical movement	Transformations, Lines on the coordinate grid	http://nrich.maths.org/5457
	Presentation of data	Construct and interpret graphs	http://nrich.maths.org/10464
	Measuring data	Investigating averages, summarising data	http://nrich.maths.org/9601
	Assessment	Year 7 End of year Test	Mymaths revision packs

Independent Enrichment Learning Opportunities for MUSIC

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Night & Day	The Elements of Music Pitch, Texture, Timbre & Dynamics Sound Graphic Scores Pitch, Tempo, Dynamics Duration, Texture, Silence Attack & Decay, Timbre	<p>BBC Bitesize http://www.bbc.co.uk/schools/gcsebitesize/music/elements_of_music/</p> <p>Education Quizzes http://www.educationquizzes.com/ks3/music/fundamental-elements-of-music-01/</p> <p>Educational Quizzes http://www.heathsidemoodle.com/Music/page41.html</p> <p>YouTube – graphic scores http://www.youtube.com/watch?v=yKW0Y8qjUiM</p>
OCTOBER HALF TERM HOLIDAY			
2	Rhythm & Pulse	Exploring Rhythm Rhythm, Structure & Form Rhythm, Pulse, Beat, Ostinato Note Values – crotchet, minim, quaver, pair of quavers, semibreve Rhythm Grid Notation	<p>Listening to any YouTube clips when typing in: Traditional African drumming</p> <p>Quiz www.musictechteacher.com/music_quizzes/music_quizzes.htm</p>
CHRISTMAS HOLIDAYS			
3	Form & Structure	Musical Structures Pitch, Texture, Harmony & Melody, Structure & Form, Melody Writing Q & A Phrases Binary, Ternary, Rondo Song Structure, Ostinato, Drone Pentatonic	<p>Song writing contest www.songwritingcontest.co.uk/</p> <p>Games/Quizzes www.quiz-tree.com > Music</p>
FEBRUARY HALF TERM HOLIDAY			
4	Folk Music	Exploring Folk Music Pitch, Melody & Harmony Sea Shanties British Folk Music Arrangements Chords World Folk Music Folk Songs of the UK Group Performances	<p>YouTube album http://www.youtube.com/watch?v=XR8Lf6qcSlo&list=PL5485BC3C89FD3EC6</p> <p>BBC Bitesize http://www.bbc.co.uk/schools/gcsebitesize/music/world_music/capercaillie1.shtml</p> <p>Museum www.britishmusicexperience.com/</p>
EASTER HOLIDAYS			
5	Instruments of the Orchestra	Exploring Timbre Pitch, Texture, Timbre & Dynamics, Melody & Harmony Strings, Brass, Woodwind, Percussion March – Class Orchestra Conducting, Timbre, Tuned & Untuned Percussion Instrument Research	<p>Watch Film: <i>Amadeus</i> About the life and works of Mozart</p> <p>San Francisco Symphony Orchestra website http://www.sfskids.org/templates/instorchframe.asp?pageid=3</p>
MAY HALF TERM HOLIDAY			
6	Voiceworks	Exploring Songs & Singing Pitch, Texture, Melody & Harmony, Structure & Form Voice Types – SATB Harmony/Unison A Capella Call & Response Songs Rounds, Song with Ostinato, Part Songs, Vocal Textures & Layers	<p>Listening to a variety of YouTube musical artist clips or any music will enhance students' skills. So long as they think of it from an analytical perspective...</p> <ul style="list-style-type: none"> • Baroque choir music • Rap music • Rock music • Glee • X factor

Independent Enrichment Learning Opportunities for PE

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Baseline testing	Simply observe pupils on a range of sports, and give them a grade.	N/A
	Football	Passing, shooting, control, movement	IPlayer MOTD, Join a team, lunchtime club. After school club
OCTOBER HALF TERM HOLIDAY			
2	Basketball	Passing, set shot, lay-up, dribbling	Join a team Lunchtime club After school club
	Rugby Union	Rucking, passing, tackling	Join a team Watch TV games
CHRISTMAS HOLIDAYS			
3	Badminton	Overhead clear, smash, drop shot, forehand and backhand grips and rallies	Lunchtime club, After school club watch TV games on Sky.
	Rugby Union	Rucking, passing, tackling	Join a team Watch TV games
FEBRUARY HALF TERM HOLIDAY			
4	Frisbee	Movement, space awareness, backhand forehand passes	You tube
	Football	Dribbling, two touch football, passes	IPlayer MOTD, Join a team, lunchtime club. After school club
EASTER HOLIDAYS			
5	Fitness suite	Inductions Training methods	N/A
	Athletics	Fundamentals of throws, jumps and runs	Join a club, you tube technical models
MAY HALF TERM HOLIDAY			
6	Handball	Passing shooting defending the D	You tube videos
	Tennis	Forehand, backhand, top spin slice	Join a club, watch videos of technical models

Independent Enrichment Learning Opportunities for RELIGIOUS STUDIES

Half term	TOPIC	CONTENT	Suggestions for enrichment activities (e.g.: films, websites, books, museums and activity centres)
1	What is RE?	Examination of Beliefs and Values Overview of world religions	DVD: Examine the beliefs and value within the film 'Bruce Almighty' Website: http://www.bbc.co.uk/religion/religions/
		Inspirational People	Website: http://www.biographyonline.net/people/inspirational.html
OCTOBER HALF TERM HOLIDAY			
2	Christianity	Examination of Christian Beliefs, The Bible and Church Leaders	Video Clip about the Bible: http://www.bbc.co.uk/learningzone/clips/what-is-the-bible/307.html
		Examination of Church Feature, Uses and the Community	Visit a local Christian Church Quiz: http://www.educationquizzes.com/ks3/religions-education/christianity---a-place-of-worship/
CHRISTMAS HOLIDAYS			
3	Sikhism 1	Examination of Key beliefs, The Guru Granth Sahib, Gurdwara	Website about Beliefs: http://www.bbc.co.uk/schools/religion/sikhism/
		Examination of Festivals, The Khalsa, 5 Ks	Website about Festivals: http://www.bbc.co.uk/schools/religion/sikhism/vaisakhi.shtml
FEBRUARY HALF TERM HOLIDAY			
4	Sikhism 2	Examination of Sewa, Marriage	Website for Marriage: http://www.sikhs.org/wedding/
		Examination of Sikhs In Britain	Website http://en.wikipedia.org/wiki/Sikhism_in_the_United_Kingdom
EASTER HOLIDAYS			
5	Spirited Art	Completing an themed art project	Research: Research different themed artwork and paintings, how the artist portrays meaning and messages within colour, shading etc.
	Philosophy	Looking at empathy, love, prejudice, happiness	Visit: A visit to the History Museum to relate these themes to world events
MAY HALF TERM HOLIDAY			
6	Looking for God	Examination of different beliefs (e.g. somebody or nobody, who, what where, why)	Quiz: http://www.educationquizzes.com/ks3/religions-education/where-to-look-for-god-01/
	Looking for God	Examination of God as a designer and the problem of evil	http://encyclopedia.kids.net.au/page/th/The_problem_of_evil

Independent Enrichment Learning Opportunities for SCIENCE

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Safety in labs	Safety in laboratories, hazard symbols, Bunsen burners.	Science lab safety rules: http://www.lovemyscience.com/lab-rules.html
	Particle Theory	Solids, liquids and gases. Kinetic theory of matter. Hardness, expansion and diffusion.	Ice melting video: http://www.youtube.com/watch?v=rElpewOvAMc
OCTOBER HALF TERM HOLIDAY			
2	Cells, Tissues and Organs	Structure of plant and animal cells. Cell organelles. Specialised cells. Use of microscope. Tissues, organs and organ systems. Growth.	Film: <u>Fantastic Voyage (1966)</u> Despite some silliness, it does take you on a tour of the human circulatory, lymphatic, pulmonary systems.
	Reproduction	Male and female reproductive organs. Fertilisation. Growth in the womb and placenta function. Puberty.	BBC Bitesize http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/
CHRISTMAS HOLIDAYS			
3	Reproduction continued	Male and female reproductive organs. Fertilisation. Growth in the womb and placenta function. Puberty.	BBC Bitesize http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/
	Force and Motion	Introduction to speed and calculating speed. Weight, mass and resistance forces. Stretching and measuring (Hooke's law). Balanced and unbalanced forces, including force diagrams. Effect of friction on forces. Forces in water.	Visit: Magna Science Adventure Centre - Sheffield Road, Rotherham. S60 1DX
FEBRUARY HALF TERM HOLIDAY			
4	Speed	Calculating speed. Distance/time graphs. Analysing data.	http://www.bbc.co.uk/learningzone/clips/calculating-speed/23.html
EASTER HOLIDAYS			
5	Speed	Calculating speed. Distance/time graphs. Analysing data.	http://www.bbc.co.uk/learningzone/clips/calculating-speed/23.html
	Inter-dependence	Habitats and adaptations. Food chains and webs.	Film: <u>March of the Penguins (2005)</u> A documentary film that shows Emperor Penguins' rituals of courtship and breeding, as they travel across Antarctic ice to reach the ocean.
MAY HALF TERM HOLIDAY			
6	Acids, Alkalis and Salts	Chemical opposites (inc. litmus). pH scale, types of acid, universal indicator. Neutralisation. Naming salts	Ducksters: Chemistry for Kids - http://www.ducksters.com/science/acids_and_bases.php

Independent Enrichment Learning Opportunities for TECHNOLOGY

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Key Ring and Packaging (Graphics)	<p><u>Project Brief:</u></p> <p><i>Design and make a key ring and it's packaging with an 'Ocean Life' theme. The product must be suitable to be sold at the gift shop in The Deep.</i></p> <p>Packaging symbols, packaging materials, corporate identity, euro-slots, vacuum forming, designing, design development, 2D design.</p>	<p><u>Visit:</u> 'The Deep' for design inspiration and to look at existing products sold in the gift shop</p> <p><u>Documentary:</u> National Geographic Discovery Channel: Creatures of The Deep Ocean (also available on YouTube)</p>
CHRISTMAS HOLIDAYS			
3	Nautical cleat (Resistant Materials)	<p><u>Project Brief:</u></p> <p><i>Design and make a nautical cleat to use for knot tying</i></p> <p>Wood joints, methods of fastening wood, methods of coating metal, applying finishes to metal, drilling metal and wood, shaping using workshop tools, 2D design.</p>	<p><u>Task:</u> Look at woodwork joints in practical settings in the home</p> <p><u>Tutorials:</u> Independent use of 2D design tutorials to extend learning</p>
EASTER HOLIDAYS			
5	Steady Hand Game (Electronics)	<p><u>Project Brief:</u></p> <p><i>Design and make a steady hand game for a given target market.</i></p> <p>Electronic components, soldering, circuit wizard software, designing for a client, shaping wood using workshop tools, applying finishes to wood, bending wire, mounting.</p>	<p><u>BBC Bitesize Revision:</u> http://www.bbc.co.uk/schools/gcsebitesize/design/electronics/componentsrev1.shtml</p>