



Year 9 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

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Basic Elements Surrealism	<p>Project Brief: <i>Students will create a sculpture using junk on the topic of Surrealism and insects.</i></p> <p>Sculpture, drawing, research, Photoshop, form,</p>	<p>Research: Look at websites on Surrealism and films which have a surreal element such as Charlie and the Chocolate Factory.</p> <p>Artist: Salvador Dali</p>
OCTOBER HALF TERM HOLIDAY			
2	Basic Elements Surrealism	<p>Project Brief: <i>Students will create a sculpture using junk on the topic of Surrealism and insects.</i></p> <p>Sculpture, drawing, research, Photoshop, form,</p>	<p>Research: Look at websites on Surrealism and films which have a surreal element such as Charlie and the Chocolate Factory.</p> <p>Artist: Salvador Dali</p>
CHRISTMAS HOLIDAYS			
3	Surrealism Insects	<p>Project Brief: <i>Produce line and tonal drawings of insects paying close attention to detail. Produce a painting of a composition taken from the Photoshop images created last term.</i></p> <p>Colour, tone, composition, juxtaposition, line,</p>	<p>Artist: Salvador Dali</p>
FEBRUARY HALF TERM HOLIDAY			
4	Surrealism Insects	<p>Project Brief: <i>Produce line and tonal drawings of insects paying close attention to detail. Produce a painting of a composition taken from the Photoshop images created last term.</i></p> <p>Colour, tone, composition, juxtaposition, line,</p>	<p>Artist: Salvador Dali</p>
EASTER HOLIDAYS			
5	Sweets	<p>Project Brief: <i>students produce a range of drawings from observation using the topic of sweets.</i></p> <p>Observational drawing, colour, line, shape, form, composition, research, printing, Photoshop, 3D</p>	
MAY HALF TERM HOLIDAY			
6	Sweets	<p>Project Brief: <i>students produce a range of drawings from observation using the topic of sweets.</i></p> <p>Observational drawing, colour, line, shape, form, composition, research, printing, Photoshop, 3D</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	<u>Fiction from other cultures</u>	Of Mice and Men/ To Kill a Mocking bird	Find out some information about American Dream, the Great Depression and Segregation.
OCTOBER HALF TERM HOLIDAY			
2	<u>Developing Non-Fiction Writing 4: Writing to argue, persuade, advise</u>	<ul style="list-style-type: none"> - Produce texts which are appropriate to task, reader and purpose Organise and present whole texts effectively,	Look at the leaflets put through your door. How do they persuade you to buy or use certain services? How do charity leaflets work? What techniques are used in adverts on television and radio? Charity adverts? How are you and the people around you affected by these?
CHRISTMAS HOLIDAYS			
3	<u>Post 1914 Drama</u>	An Inspector Call/ A View from the Bridge	Do some research about the playwrights. http://www.bbc.co.uk/schools/gcsebitesize/english_literature/
FEBRUARY HALF TERM HOLIDAY			
4	<u>Reading – Pre-1914 Fiction (Gothic Lit)</u>	Frankenstein Poems and Short stories: <ul style="list-style-type: none"> • The Monkey’s Paw • The Raven • Dickens extracts • Jane Eyre • The Story of the Hour Various Fairytales	Research the gothic conventions. Do some research about the authors. http://www.bbc.co.uk/schools/gcsebitesize/english_literature/
EASTER HOLIDAYS			
5	<u>Pre 1914 Drama – Introduction to Shakespeare</u>	An introduction to the plays of William Shakespeare with a focus on the plot of Macbeth.	A visit to the Globe Theatre in London. http://www.bbc.co.uk/schools/gcsebitesize/english_literature
MAY HALF TERM HOLIDAY			
6	<u>GCSE Time and Place Poetry</u>	A selection of poetry from the GCSE anthology linking with the theme of Time and Place.	Read up on famous poets and their works. Use the internet, e.g. Google and YouTube and search for what “Literary Heritage” means and the work connected to it.

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	Allez 2 Unit 4 Être ado, c'est quoi ? <i>Being a Teenager</i>	<ol style="list-style-type: none"> 1. Relationship with Parents 2. Pocket money and Helping at Home 3. Pressures faced by Teenagers 4. How life used to be for Teenagers 5. Life of Homeless Children 	<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 -</p>
OCTOBER HALF TERM HOLIDAY			
2	Allez 2 Unit 5 En pleine forme ! <i>Healthy Living</i>	<ol style="list-style-type: none"> 1. Healthy Eating 2. Healthy Lifestyles 3. Poem: Le déjeuner du matin 4. How diet affects Health 5. Resolutions to be Healthier and Future Tense 	<p>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>- Challenge yourself reading in French: You can read more challenging texts on http://deliredelire.org/les-textes</p>
CHRISTMAS HOLIDAYS			
3	Allez 2 Unit 7 Autour du monde <i>Around the world</i>	<ol style="list-style-type: none"> 1. How you travel on Holiday 2. Buy a Ticket 3. Plan a Holiday 	<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=icwcGwaS_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>
FEBRUARY HALF TERM HOLIDAY			
4	Allez 2 Unit 7 Autour du monde <i>Around the world</i>	<ol style="list-style-type: none"> 1. Describe a Past Holiday 2. Describe a Disastrous Holiday 3. Talk about Festivals 4. Song: Alors on Danse by Stromae 	<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>
EASTER HOLIDAYS			
5	Allez 2 Unit 8 Chez moi, ça veut dire quoi ? <i>At home</i>	<ol style="list-style-type: none"> 1. Types of Houses 2. Rooms in the House 3. Your Bedroom 4. Ideal Home 	<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>
MAY HALF TERM HOLIDAY			
6	Allez 2 Unit 9 Un métier, un rêve ! <i>A job, a dream!</i>	<ol style="list-style-type: none"> 1. Jobs and Qualities needed 2. Ideal Job and Ambition 3. Part-Time Jobs 4. Success and Failure 	

Independent Enrichment Learning Opportunities for FRENCH FCSE

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Education	<ol style="list-style-type: none"> Classroom commands Describe your school Time and Timetable School uniform Opinions on School Subjects Yesterday at School School Trip you went on French school you visited 	<p>Pupils are continuing their FCSE qualification on Unit 2 School and Future Plans and might need some help revising for the exams.</p> <p>Practice the topics on: www.languagesonline.org.uk in the section Français: Unit 8: ex1 to ex29 (<i>School subjects and Timetables Revision</i>) Unit 3: ex18 to ex25 (<i>Days of the week Revision</i>) Unit 5: ex16 to ex24 (<i>Clothes and Colour Revisions</i>) Grammar The Perfect Tense for Beginners, The Perfect Tense, The Perfect Tense 2</p> <p>Watch the “Avoir Song” on YouTube: http://www.youtube.com/watch?v=hQNqtaCbjDk</p>
OCTOBER HALF TERM HOLIDAY			
2	Future Plans	<ol style="list-style-type: none"> School rules What you will do after leaving school Job you want to do Future Tense Advantages and Disadvantages of jobs 	<p>Pupils are continuing their FCSE qualification on Unit 2 School and Future Plans and might need some help revising for the exams.</p> <p>Sign up for the French Trip to practise your French. Research careers involving languages, benefits of languages.</p> <p>Practice the topics on: www.languagesonline.org.uk in the section Français: Grammar Futur Proche – Aller + Infinitif Watch the “Aller Song” on YouTube: http://www.youtube.com/watch?v=y47eSILSxa0</p>
CHRISTMAS HOLIDAYS			
3	Healthy Living	<ol style="list-style-type: none"> Healthy Food Sport and Exercise you do Past and Future Tense Healthy Living 	<p>Pupils are continuing their FCSE qualification on Unit 5 Healthy Living and might need some help revising for the exams.</p> <p>Practice the topics on: www.languagesonline.org.uk in the section Français: Unit 9: ex1 to ex47 (<i>Food and Drinks Revision</i>) Unit 6: ex18 to ex22 (<i>Sports and Leisure Revision</i>) Unit 10: ex1 to ex20 (<i>Sports and Leisure Revision</i>) Grammar Using Negatives, ER Verbs (<i>Present Tense</i>), The Present Tense, The Perfect Tense for Beginners, The Perfect Tense, The Perfect Tense 2, Futur Proche – Aller + Infinitif</p>
FEBRUARY HALF TERM HOLIDAY			
4	Health Problems	<ol style="list-style-type: none"> Body Parts Aches Illnesses Cures Addiction and Smoking 	<p>Pupils are continuing their FCSE qualification on Unit 5 Healthy Living and might need some help revising for the exams.</p> <p>Practice the topics on: www.languagesonline.org.uk in the section Français: Primary: Le Corps (<i>Body Parts</i>)</p>
EASTER HOLIDAYS			
5	Local Environment	<ol style="list-style-type: none"> Where you live Your town Activities in your Region Town and Countryside 	<p>Practice the topics on: www.languagesonline.org.uk in the section Français: Unit 2: ex1 to ex13 (<i>Countries and Where you live</i>) Primary: En Ville (<i>Places in town</i>) Unit 7: ex1 to ex16 (<i>Places in town</i>)</p>
MAY HALF TERM HOLIDAY			
6	Media	<ol style="list-style-type: none"> Types of Films and Perfect Tense Describing Actors and Characters Verbs: avoir=to have / être=to be / jouer=to play / faire=to do Work on “Les Choristes” TV Programs and Future Tense 	<p>Practice the topics on: www.languagesonline.org.uk in the section Français: Grammar Using Negatives, ER Verbs (<i>Present Tense</i>), The Present Tense, The Perfect Tense for Beginners, The Perfect Tense, The Perfect Tense 2, Futur Proche – Aller + Infinitif</p> <p>Watch some French films: for example: Taxi 1 to 4, The Chorus, The Untouchables, He loves me he loves me not</p>
<p>To challenge themselves they can also try to read more Challenging texts on: http://deliredelire.org/les-textes</p>			

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&2	Weather	<ul style="list-style-type: none"> • What is the Weather? • Measuring and forecasting the Weather • Why does it rain? • Air masses affecting the UK • Depressions and anticyclones • Hurricanes: Causes, Impacts and Responses • Drought: Causes, Impacts and Responses 	Battle of the weather fronts https://www.youtube.com/watch?v=1ltM3GYNmtQ Bad weather in the UK https://www.youtube.com/watch?v=QFDxRgd28d4 Forecasting the weather https://www.youtube.com/watch?v=0eAB32HITWl Research a Hurricane that has happened in the last year and produce a presentation on it. Come up with a list of 26 names to name the Hurricanes for a year alternating them male/female. Hurricane Katrina https://www.youtube.com/watch?v=4Fhc0oWxF1Q
CHRISTMAS HOLIDAYS			
3	Climate change and Energy	<ul style="list-style-type: none"> • Earth's changing temperature • Natural temperature changes • Human impact on Earth's temperatures • Greenhouse effect • Consequences of climate change • Sustainable energy solutions 	What is climate? What is climate change? https://www.youtube.com/watch?v=j1FxDw50mc The truth about climate change https://www.youtube.com/watch?v=2JmrmwlyhAE Climate change – Britain under threat https://www.youtube.com/watch?v=Cq1oFhTINXE Film: The day after tomorrow http://www.imdb.com/title/tt0319262/
FEBRUARY HALF TERM HOLIDAY			
4	Migration	<ul style="list-style-type: none"> • Why do people migrate? • Push and pull factors • Impacts of Migration • Case Study: Mexico – USA • Refugees 	Migration to Mexico https://www.youtube.com/watch?v=hB_66Z7G7_Y UK refugee crisis https://www.youtube.com/watch?v=RKskJx9g_us Watch a news clip of people waiting at Calais to move to the UK. Write a blog post from the point of view of a child waiting in the camps. Why did you leave your home/ Why do you want to move to the UK?
EASTER HOLIDAYS			
5	Urbanisation	<ul style="list-style-type: none"> • Rural – Urban migration • Megacities • Life in the slums • Case Study: Dharavi, Mumbai • Urban models • Land use and land use change • Urban issues: Problems and solutions 	Research the 10 biggest cities in the world. Locate them on a world map. Describe their location. Draw a poster to show all the advantages/disadvantages of living in a city. Write a description of the day in the life of someone who lives in a slum. Design your own slum house. Make a model of it using waste materials you can find at home. Research the history of migration to the UK. Are we all descended from migrants?
MAY HALF TERM HOLIDAY			
6	Hull	Hull's changing urban environment Population change in Hull Hull's Future	Draw a time line to show the evolution of man; take photographs of your local area and make a PowerPoint presentation; research the history of Hull – visit the History Centre and study the maps; walk from the centre of Hull to the outskirts – take photos – how does it change? Make a model of a house designed to be eco-friendly

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	First World War	Causes of the First World War (alliance system, Schlieffen plan, assassination of Franz Ferdinand, ambitions of Kaiser Wilhelm). Trench life, weapons and routines, major battles: Mons, Marne, Somme, Verdun. The Eastern Front, The War at sea Haig, Gallipoli campaign, Russian Revolution, end of the war, Treaty of Versailles.	<ul style="list-style-type: none"> • Watch: the film 'all quiet on the western front' • Visit: Eden Camp • Watch: the film 'my boy jack' • Watch: the film 'Gallipoli' • Watch: the film 'behind the lines' • Read the book 'The Trench' by David Bilton, story of the Hull Pals. • Visit: Fort Paul
OCTOBER HALF TERM HOLIDAY			
2	The Rise of Hitler	Effects of WW1 on Germany, Origins of the Nazi Party, Munich Putsch, Mein Kampf, Weimar republic, who voted for the Nazis?	<ul style="list-style-type: none"> • Information and links on: http://www.bbc.co.uk/schools/gcsebitesize/history/mwh/germany/hitlerpowerrev1.shtml • Watch: Hitler's rise, the colour films on you tube.
CHRISTMAS HOLIDAYS			
3	The Holocaust	Explaining Nazi attitudes and policies towards Jews, Context of WW2, history of anti-Semitism in Europe, origins of German Anti-Semitism, Measures taken against Jews, Krystallnacht, Einsatzgruppen, The Final Solution.	<ul style="list-style-type: none"> • Visit: The National Holocaust Centre, Newark, Nottinghamshire • Read: The book 'Once', by Morris Gleitzman • Watch: The film 'the boy in the stripped pyjamas' • Website: http://www.hmd.org.uk/genocides/holocaust
FEBRUARY HALF TERM HOLIDAY			
4	The Cold War	Causes of the cold war, Russian expansion in Eastern Europe, Yalta, Potsdam, Marshal Plan, Berlin Blockade, NATO, Warsaw Pact, Berlin Wall, Cuban Missile Crisis, Korean War.	<ul style="list-style-type: none"> • Visit: A cold war bunker in Patrington, http://www.rafholmpton.com/ • Watch: The cold war series MAD (available on you tube) • Watch: 12 days (film on the Cuban missile crisis)
EASTER HOLIDAYS			
5	JFK assassination	Policies and ideals of JFK, Vietnam War, varying hypothesis of how he was killed.	<ul style="list-style-type: none"> • Watch: the film 'JFK' • Lots of documentaries available on you tube. Type: 'the JFK assassination' into the search field.
MAY HALF TERM HOLIDAY			
6	Terrorism and 911	911 attacks, causes of the war in Afghanistan, Britain's history in Afghanistan, Afghanistan and the cold war, Rise of the Taliban, 911 conspiracy theories.	<p>Search: for '911 attacks' on you tube. Lots of documentaries and footage. Many of the documentaries do address the conspiracy theories.</p> <p>Watch or read: the Kite Runner.</p>

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	Unit 6 PowerPoint	Using PowerPoint, developing a presentation, text – formatting, inserting and editing; Charts: creating, inserting, formatting;	There are a set of slides in the Shared Area covering all the skills required for the ECDL
OCTOBER HALF TERM HOLIDAY			
2	Unit 6 PowerPoint	Graphical objects: inserting, creating, formatting; preparing outputs: headers, footers, printing slides, notes, handouts.	There are many videos on You Tube about using PowerPoint.
	Unit 3 Word	Using Word, creating and formatting documents: page size, layout, orientation, margins; Formatting: text font, style, emphasis, paragraphs;	There are a set of slides in the Shared Area covering all the skills required for the ECDL
CHRISTMAS HOLIDAYS			
3	Unit 3 Word	Objects: tables, charts, images; Mail merge: creating, queries; Prepare output: print format, printing.	There are many videos on You Tube about using Word.
FEBRUARY HALF TERM HOLIDAY			
4	Unit 4 Excel	Enter and edit numeric and other data, format cells, manage worksheets: rows, columns and worksheet tabs, select and use a range of functions and formulae,	There are a set of slides in the Shared Area covering all the skills required for the ECDL
EASTER HOLIDAYS			
5	Unit 4 Excel	Create and format charts, prepare outputs: page layout, print spreadsheets and charts.	There are many videos on You Tube about using Excel.
	Unit 8 Improving Productivity	Explaining how the use of IT tools enabled them to improve productivity (based on other 3 units for ECDL Extra)	Use their skills to produce ICT work for other subjects
MAY HALF TERM HOLIDAY			
6	Unit 8 Improving Productivity	Explaining how the use of IT tools enabled them to improve productivity (based on other 3 units for ECDL Extra)	Use their skills to produce ICT work for other subjects
	Re-sits	Revision of any of the previous units as required, enabling all students to pass the qualification.	Use their skills to produce ICT work for other subjects
	GCSE Computing	If/when passed ECDL Extra exams, do Python programming course in preparation for GCSE Computing in KS4.	www.usingpython.com is a free online course to learn how to program in Python

Independent Enrichment Learning Opportunities for MATHS FOUNDATION

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Integers and Place Value	Ordering numbers including negatives, rounding, use all 4 operators	http://nrich.maths.org/2074
	Decimals	Using decimal notation and place value, rounding to decimals and integers	http://nrich.maths.org/1926
	Indices, powers and roots	Square and cube numbers, using index notation, powers of 10 including negatives, use calculators	http://nrich.maths.org/424
OCTOBER HALF TERM HOLIDAY			
2	Factors, multiples and primes	Recognise primes, find common factors and multiples of two numbers	http://nrich.maths.org/704
	Algebra: the basics	Use notation correctly, write expressions, simplify use index laws and notation in algebra	http://nrich.maths.org/2129
	Expanding and factorising single brackets	Use brackets in algebra, factorise expressions	http://nrich.maths.org/6942
CHRISTMAS HOLIDAYS			
3	Expressions and substitution into formulae	Substitute into simple expressions and using negatives, derive simple formula	http://nrich.maths.org/1406
	Tables	Data collection techniques, read frequency values, identify mode	http://nrich.maths.org/6063
	Charts and graphs	Pictograms, bar charts, line graphs, stem and leaf	http://nrich.maths.org/7489
FEBRUARY HALF TERM HOLIDAY			
4	Pie charts	Draw circles and arcs, measure angles, find mode and frequency from Pie charts	https://developers.google.com/chart/
	Scatter graphs	Draw and interpret, draw and use line of best fit, correlation	http://nrich.maths.org/7502
	Fractions	Fractions in diagrams, compare, add and subtract, multiply and divide	http://nrich.maths.org/5777
EASTER HOLIDAYS			
5	Fractions, decimals and percentages	Convert between fractions to decimals, recurring decimals, find equivalent	http://nrich.maths.org/6541
	Percentages	Percent of a quantity, amount of increase/decrease, real-life situations, use multipliers	http://nrich.maths.org/1283
	Equations	Expressions, set up simple equations, solve simple and linear equations, rearrange equations	http://nrich.maths.org/801
MAY HALF TERM HOLIDAY			
6	Inequalities	Number lines, use correct notation	http://nrich.maths.org/1979
	Sequences	n th term for patterns, linear and arithmetic sequences, continue quadratic sequences	http://nrich.maths.org/2086

Independent Enrichment Learning Opportunities for MATHS HIGHER

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Calculations, checking and rounding	Use all four operators, round to multiples of 10 and integers, estimate	http://nrich.maths.org/2053
	Indices, roots, reciprocals and hierarchy of operations	Use index notation, solve problems using index laws, use integer and negative powers	http://nrich.maths.org/6401
OCTOBER HALF TERM HOLIDAY			
2	Factors, multiples and primes	Prime factor decomposition, common factors and multiples of two numbers	http://nrich.maths.org/704
	Standard form and surds	Add, subtract, multiply and divide in standard form; understand surd notation	http://nrich.maths.org/620
	Algebra: the basics	Expressions, substitution, simplify, expanding using brackets	http://nrich.maths.org/5675
CHRISTMAS HOLIDAYS			
3	Setting up, rearranging and solving equations	Use and substitute into formulae, use iteration to find approximate solutions, change the subject	http://nrich.maths.org/1926
	Sequences	n th term of arithmetic and quadratic sequences, real-life problems	http://nrich.maths.org/8054
FEBRUARY HALF TERM HOLIDAY			
4	Averages and range	Mean, mode, median and range; data collection, discrete and grouped data	http://nrich.maths.org/5988
	Representing and interpreting data	Dual bar charts, pie charts, frequency polygons, simple histograms, line graphs and time series	http://nrich.maths.org/6411
	Scatter graphs	Draw and interpret, line of best fit, correlations	http://nrich.maths.org/7502
EASTER HOLIDAYS			
5	Fractions	Equivalency, four operators with fractions, convert to recurring decimal	http://nrich.maths.org/365
	Percentages	Increase and decrease, multipliers	http://nrich.maths.org/2739
	Ratio and proportion	Divide into ratio, 1: m and m :1, direct proportion, recipes, currencies	http://nrich.maths.org/4895
MAY HALF TERM HOLIDAY			
6	Polygons, angles and parallel lines	Regular and irregular polygons, interior and exterior angles, angles in triangles and quadrilaterals	http://nrich.maths.org/5441
	Pythagoras' Theorem and trigonometry	Pythagoras in 2d problems, answers in surd form, angles of elevation and depression, use trigonometric ratios	http://nrich.maths.org/1949

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	<u>Musicals</u>	<ol style="list-style-type: none"> 1. The history of the musical 2. The development of the musical 3. The structure of musical 4. To play songs from musicals 	<p>www.YouTube.com - any musicals clips</p> <p>Visit a theatre where a musical is currently touring.</p> <p>www.musicals101.com</p>
OCTOBER HALF TERM HOLIDAY			
2	<u>Film Music</u>	<ol style="list-style-type: none"> 1. The history of film music 2. How film music has developed 3. The purpose of music in film 4. Learning different pieces from film 	<p>www.youtube.com</p> <p>www.netflix.co.uk</p> <p>Watch films such as: Jaws, The James Bond Series and Psycho.</p> <p>Cinema – include older movies</p> <p>http://www.twyman-whitney.com/film/essentials/music-history.html</p>
CHRISTMAS HOLIDAYS			
3	<u>Rock Music</u>	<ol style="list-style-type: none"> 1. Introduction to rock music and its origins 2. Play a number of rock instruments 3. Perform a rock piece 	<p>www.youtube.com</p> <p>http://www.rockmusictimeline.com/</p> <p>www.rockhall.com</p> <p>http://www.vam.ac.uk/page/p/pop-and-rock-music/</p>
FEBRUARY HALF TERM HOLIDAY			
4	<u>The Music Industry</u>	<ol style="list-style-type: none"> 1. Job Roles in the Music Industry 2. Responsibilities in the Music Industry 3. Venues: small, medium and large 4. Services and organisations 	<p>Visit different venues</p> <p>www.mu.com</p> <p>www.prsformusic.com</p> <p>www.ppluk.com</p>
EASTER HOLIDAYS			
5	<u>The Music Industry cont.</u>	<ol style="list-style-type: none"> 1. Job Roles in the Music Industry 2. Responsibilities in the Music Industry 3. Venues: small, medium and large 4. Services and organisations 5. Health and safety 	<p>www.youtube.com Search #stage events/festivals/stagecollapses</p> <p>Visit venues of differing sizes.</p> <p>http://www.hse.gov.uk/legislation/hswa.htm</p>
MAY HALF TERM HOLIDAY			
6	<u>Introduction to Performance</u>	<ol style="list-style-type: none"> 1. What makes a good performance – analysis and evaluation 2. Interpretive and stylistics qualities in Performance 3. Performance a solo/ensemble piece for final end of Key Stage 3 assessment. 	<p>www.youtube.com Search #famous performers</p>

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	Healthy active lifestyles	Physical social and mental wellbeing, serotonin levels, stress relief	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
	Influences on lifestyle	Culture, health, image, people, socio-economic and resources	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
OCTOBER HALF TERM HOLIDAY			
2	Roles in sport	Player, official, leader, volunteer	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
	Exercise and Fitness	Components of fitness, tests for each	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
CHRISTMAS HOLIDAYS			
3	Principals /Methods of training	SPORT-FITT, interval, continuous, fartlek, circuit, weight, cross	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
	Diet	Components of a balanced diet	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
FEBRUARY HALF TERM HOLIDAY			
4	Somatypes	Endo, ecto, mesomorph, optimum weight, obesity, anorexia	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
	Drugs	BANDSP	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
EASTER HOLIDAYS			
5	Skeletal system	Functions, bones, movements	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
	Muscular system	Effects of exercise, contraction, muscles	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
MAY HALF TERM HOLIDAY			
6	CV system	Effects of exercise, functions, $CO=SV \times HR$	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com
	Respiratory system	Functions, effects of exercise, VO_2Max , Vital Capacity, tidal volume	www.brianmac.co.uk www.bcbitesize.co.uk www.teachPE.com

Independent Enrichment Learning Opportunities for RELIGIOUS STUDIES

Half term	TOPIC	CONTENT	Suggestions for enrichment activities <i>(e.g.: films, websites, books, museums and activity centres)</i>
1	Philosophy	Philosophy of Toy Story 3	DVD: Toy Story 3
		Good and Evil	http://www.bbc.co.uk/schools/gcse/bitesize/rs/god/chgoodandevilrev1.shtml
OCTOBER HALF TERM HOLIDAY			
2	Christianity	Birth of and denominations	http://www.bbc.co.uk/religion/religions/christianity/
		Trinity	http://www.bbc.co.uk/schools/gcse/bitesize/rs/god/christianityrev2.shtml
		Rites of Passage	http://www.bbc.co.uk/schools/religion/christianity/questions.shtml
CHRISTMAS HOLIDAYS			
3	Buddhism	Buddha's Early Life	http://www.bbc.co.uk/education/clips/z7jyr82
		The 4 Noble Truths	http://www.bbc.co.uk/religion/religions/buddhism/beliefs/fournobletruths_1.shtml
		5 precepts, Karma, Eightfold Path	http://www.clear-vision.org/Schools/Students/Ages-12-14/Noble-Eightfold-Path.aspx
FEBRUARY HALF TERM HOLIDAY			
4	Hinduism	Trimurti	http://www.bbc.co.uk/schools/gcse/bitesize/rs/god/hinduismrev1.shtml
		Life after death	http://www.bbc.co.uk/schools/gcse/bitesize/rs/death/hindubeliefrev2.shtml
		Caste System	http://www.bbc.co.uk/schools/gcse/bitesize/rs/prejudice/hinduismrev2.shtml
EASTER HOLIDAYS			
5	Those who lead	Project based learning on influential people	Research famous people who have had an impact on shaping society.
MAY HALF TERM HOLIDAY			
6	Ethics	Peace and conflict in N.I.	http://www.bbc.co.uk/bitesize/ks3/history/20th_century/ireland_20th_century/revision/2/
		Death Penalty and Abortion	http://www.bbc.co.uk/ethics/capital_punishment/

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	Genetics and Evolution	Transfer of genetic information from one generation to the next. Natural selection and speciation. Simple model of chromosomes, genes and DNA.	http://www.bbc.co.uk/learningzone/clips/natural-selection/5516.html
	Energy and Electricity	Electric current. Potential difference. Differences in resistance between conducting and insulating components.	http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/electric_current_voltage/activity/
OCTOBER HALF TERM HOLIDAY			
2	Energy and Electricity	Electric current. Potential difference. Differences in resistance between conducting and insulating components.	http://www.bbc.co.uk/bitesize/ks3/science/energy_electricity_forces/electric_current_voltage/activity/
	Chemical Reactions	Chemical reactions as the rearrangement of atoms. Representing chemical reactions using formulae and equations. Exothermic and endothermic reactions.	http://www.bbc.co.uk/bitesize/ks3/science/chemical_material_behaviour/compounds_mixtures/revision/4/
CHRISTMAS HOLIDAYS			
3	Microbes and Disease	Bacteria, viruses and fungi. The spread of infectious diseases. Natural and artificial barriers to infection.	http://www.bbc.co.uk/bitesize/ks3/science/organisms_behaviour_health/disease/activity/
	P1_1 Energy Transfer by Heating	Radiation, conduction and convection. Evaporation and condensation. Specific heat capacity. Heating and insulating buildings.	http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/heatingandcooling/heatingact.shtml
FEBRUARY HALF TERM HOLIDAY			
4	P1_1 Energy Transfer by Heating	Radiation, conduction and convection. Evaporation and condensation. Specific heat capacity. Heating and insulating buildings.	http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/heatingandcooling/heatingact.shtml
	C1_1 Fundamental ideas about Chemistry	Atoms, elements and compounds. Atomic structure.	http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/fundamentals/atomsact.shtml
EASTER HOLIDAYS			
5	C1_1 Fundamental ideas about Chemistry cont.	The arrangement of electrons in atoms. Forming bonds. Chemical equations.	http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/fundamentals/chemicalreactionsrev1.shtml
	B1_1 Keeping Healthy	Diet and exercise. Weight problems. Pathogens. Using drugs to treat disease.	http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/keepinghealthy/dietandexerciseact.shtml
MAY HALF TERM HOLIDAY			
6	B1_1 Keeping Healthy cont.	Growing and investigating bacteria. Changing pathogens (superbugs). Immunity.	http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/keepinghealthy/defendingagainstinfectionact.shtml

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	Cinema Display Stand (Graphics)	<p>Project Brief: <i>Cinema Productions often cost millions of pounds to produce; therefore it is important that the marketing and advertising of these films is successful. Along with all the new releases, next year your local cinema is going to be showing a range of older well known films on a weekend.</i></p> <p>These films include;</p> <ul style="list-style-type: none"> • Iron Man • Grease • The Wizard of Oz <p><i>Your task is to design and make a scaled model of a suitable display stand advertising one of the films listed.</i></p> <p>Collecting and presenting data (survey's etc.), looking at existing products, profiling a target market, modelling, typography, CAD, making</p>	<p>Visit: Visit a local cinema and look at existing cinema display stands for design inspiration.</p> <p>Films: Watch the suggested films for design inspiration.</p>
OCTOBER HALF TERM HOLIDAY			
2		{Please see above}	
CHRISTMAS HOLIDAYS			
3	F1 in schools (Product Design)	<p>Project Brief: <i>Working in teams of 4-5, design and make an F1 car. You must also develop a team identity, produce a presentation and design a range of promotional products. All work will be judged against set criteria.</i></p> <p>PLTs skills, Gantt charts, Solidworks software, budgeting, aerodynamics, presentation skills</p>	<p>Qualification: Enter your F1 project for a crest award. The following link provides you with the required information; http://www.britishscienceassociation.org/crest-awards</p>
FEBRUARY HALF TERM HOLIDAY			
4		{Please see above}	
EASTER HOLIDAYS			
5	Sweets Dispenser (Resistant Materials)	<p>Project Brief: <i>Design and make a functioning sweets dispenser. The mechanism must work.</i></p> <p>Designing, technical drawing, workshop tools, finishing techniques, CAD, testing and evaluating</p>	<p>Visit: Look at the following websites and explore the ideas http://www.instructables.com/id/Convolution-Wood-Mechanisms</p>
MAY HALF TERM HOLIDAY			
6		{Please see above}	www.instructables.com/id/The-Awesome-Jelly-Bean-Dispenser-Ever/