

YEAR 9: IGS CURRICULUM OVERVIEWS

In this booklet you will find all Curriculum Overviews for each subject, detailing:

- What is being taught;
- The sequence it is being taught in;
- The 'powerful' knowledge in the curriculum for that subject- this is the most important knowledge that students need to know to be successful in the subject (e.g. key concepts and skills);
- What is being assessed;
- How you can support their learning further at home..













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Year 9 Curriculum Overview: Accelerated Literacy



Autumn Term

Topics/ content outline:

Reading Skills

1.Identifying purpose, audience and form in texts.

2.Retrieval of Information from a variety of texts connected to the themes in core English lessons. 3.Infer and interpret information from fiction and non-fiction texts

- 4. Identify and comment on the use of language features and sentence
- 5. Speaking and writing to persuade Spelling key vocabulary

7. Punctuation and grammar skills

Powerful Knowledge (key concepts, skills)

Writing is created for many different purposes and audiences. Persuasive techniques in writing and public speaking can

create effective arguments. Correct spelling, punctuation and grammar create writing

that is fit for purpose.

What will you be assessed on?

Weekly spelling, punctuation and grammar quizzes. Half termly tests. End of term reading assessment.

How can you help at home?

Practise weekly spellings. Read a wide variety of literature, books, web pages, magazines. Practise speaking and listening skills at home

Spring Term

Continued writing and reading practise including:

. Organising, sequencing and structuring writing connected to the themes in core English lessons. 2. Use of paragraphs and sentence types to create clarity, purpose and

- 3. Using effective vocabulary 4. Technical accuracy of spelling. punctuation and grammar.
- 5. Comparing two different texts for similarities and differences 6. Witting imaginative and interesting texts appropriate to the audience.
- 1.Contnued practise of writing skills linked to core English lessons
- including: 2. Creating a character
- Organising narrative writing
- 4. Making an ending link back to the opening 5. Poetry structure, organisation and
- devices. 6 .Reading for pleasure module - an opportunity to link to the dystopia theme covered in English.

Good, effective writing is planned, reviewed and corrected.

Reading comprehension consists of accurate word reading and effective comprehension skills such as prediction, inference and identifying facts and opinions.

Authors can have different opinions.

Weekly spelling, punctuation and grammar guizzes. Half termly tests. End of term reading assessment.

Continue to practise weekly spellings. Use the revision resources on Showble to prepare for assessments.

Summer Term

A convincing character will keep readers engaged and can be created using vivid description of appearance, character flaws, dialogue and voice. A believable and engaging character can be created by considering their perspective and how they change throughout the writing.

Reading for pleasure has many benefits beyond the classroom

Weekly spelling, punctuation and grammar quizzes. Half termly tests. End of term assessment.

Continue to practise weekly spellings. Take an active role in the reading for pleasure module.





Year 9 Curriculum Overview: ART

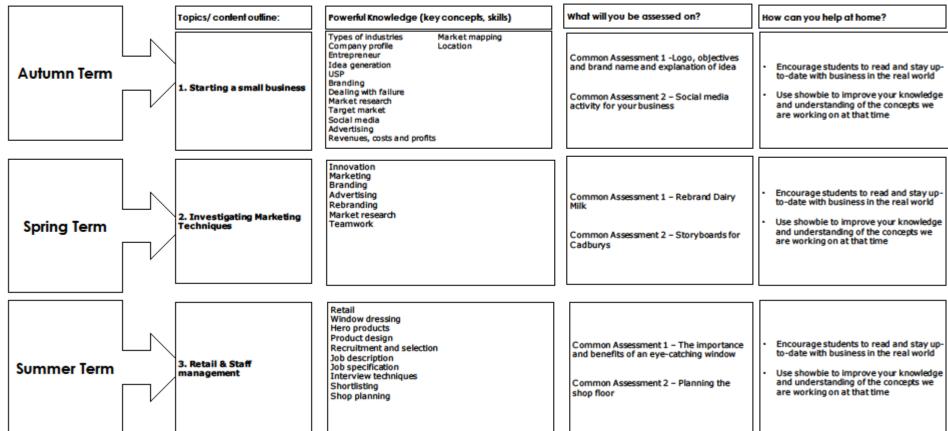


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	Topics/ content outline:	Powerful Knowledge (key concepts, skills)	What will you be assessed on?	How can you help at home?
Autumn Term	1. Portrait drawing 2. Clay self portraits	Proportions in portraiture Drawing skills How to draw a self portrait Photography as a research tool Card relief technique Clay relief methods – layer, model and carve. Inspirational artists (cultural masks, portrait artists, sculptors, photographers). Writing about art	Self-portrait drawing Card relief mask and writing. Clay self portrait	Visit exhibitions. The Yorkshire Sculpture Park is superb and links well with our clay work. Other local galleries are Cartwright Hall, Salts Mill and Leeds City Gallery. Encourage portrait drawing at home (this is a great activity to do whilst family members are sot still for long periods such as watching TV or sleeping). Watch "Portrait artist of the year" or other portrait TV programmes. View portrait YouTube tutorials.
Spring Term	1. Powerful Posters – digital art (design a poster to comment on a current issue of your choice) 2. My Place My Space personal homework project 3. Next steps and careers in Art	Poster art – visual communication, slogans and fonts Colour theory Digital art & photographyskills Inspirational poster art examples from the past and present. Understanding the 5 stages of a GCSE project (mind map, artists, observations, develop & experiment, final response)	Digital poster	Visit exhibitions eg. Salts Mill features digital artwork by David Hockney. Discuss current issues – theme for poster art topic. The "My Place, MY Space" project is a personal project. They may appreciate help with ideas, locations for photoshoots, or art materials – we are also here to help so please direct them to us too if needed.
Summer Term	1. Powerful posters – acrylic painting. 2. My Place My Space cont. 3. Still life – realism & abstract	Colour theory Introduction to acrylic paints. Painting techniques. Drawing skills Charcoal techniques Abstract art (Cubism & Precisionism) Links to artists – Cubism and Precisionism Writing about art Dev elopment of own personal project	 Painted poster My Place My Space project 	Visit exhibitions (suggestions above). Please encourage your child to continue drawing and making art in their own time, especially if chosen for GCSE.



Year 9 Curriculum Overview: Business

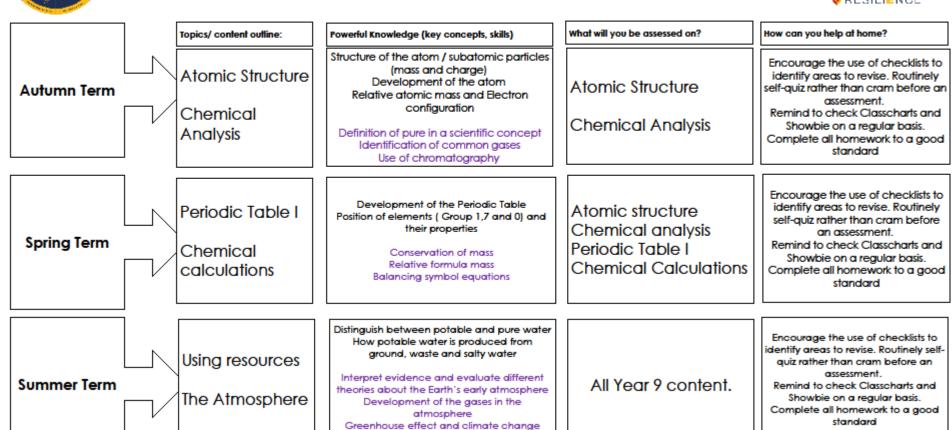






Year 9 Curriculum Overview: CHEMISTRY





Year 9 Ci Citizenship Module

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Subject

Year 9 Citizenship Curriculum Overview

Session Content

Citizenship module

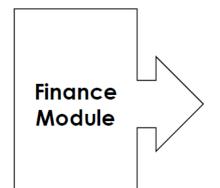
- Transferable skills (skills for decision making giving constructive feedback)
- Working to improve communities
- 3. Laws: why do we have them?
- 4. The justice system

Powerful Knowledge

- 1. Feedback is constructive information about how an individual can improve feedback in the workplace is very important to help people improve and reach their goals. Decision making is selecting the best course of action based on a variety of options and choices available.
- 2. A community is a group of people living in the same place having a particular characteristic in common. Communities are important as they offer a source of social connection and a sense of belonging. They connect people and help people to build and maintain relationships.
- 3. The legal system in the UK helps society deal with complex problems. Laws help Citizens to understand where the boundaries for behaviour are and which behaviours are acceptable or not.
- 4. The criminal justice system in the UK is made up courts, judges, probation, parole and the youth justice system. This system is enforced by the police and the crown prosecution service on behalf of the state (not the government).

How can you help at home?

- Use the resources on Showbie to discuss the importance of the legal system in the UK and how this is modelled in school with school rules
- Discuss what your local community looks like, how does your household fit into the bigger picture of your community and what are your roles within that?



Finance module

- Budgeting on a tight income
- Loans and mortgages
- Credit ratings and credit cards

- 1. Managing flow of money in and out when money is tight is a skill. There are many shifts and changes in life that might require a change in budgeting habits for example if someone was trying to save to buy a house
- A loan is where money is borrowed and usually expected to be paid back with interest. Interest is the price you pay to borrow the money. A mortgage is a loan used to purchase or maintain a home.
- 3. A credit rating of how easily someone will be able to pay back money if they borrow it. A credit card is a way of borrowing money on loan from the card provider. It is then paid back later. Some credit cards have interest added to payments and some are interest free.
- Use the resources on Showbie to discuss money saving tips and how they may be beneficial in tight financial situations
- Use the resources on Showbie to discuss credit and credit ratings and the importance of these



Year 9

Curriculum Overview: Computer Science

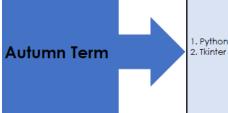


Topics/ content outline:

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?



1. Python essentials

Demonstrate the use of:

The use of variables Constants Operators Assignment Sequence Selection

Graphical User Interfaces. A graphical user interface (GUI) is simply a 'screen' that allows a user to interact with their computer through graphics such as menus and buttons.

Iteration

Ability to write or refine algorithms Understand the main steps of each algorithm

Understand any pre-requisites of an algorithm

Apply the algorithm to a data set

Identify an algorithm if given the code or pseudocode for it Regularly check your child's learning journey.

Evaluate, critique (with kindness), and support your child's homework.

Engage with on-line learning material / videos (minimum 2 hours a week)



Python essentials
 App inventor

Demonstrate the use of:

Arrays (or equivalent) when solving problems, including both one and two dimensional arrays

Sub programs (functions and procedures) to produce structured code, using data types: integer, real boolean, character and string casting Practical use of the techniques in a high-level language within the classroom

Practical use of the data types in a high-level language within the classroom

Ability to choose suitable data types for data in a given scenario

Recognise and use operators.

Produce a mobile phone application

Regularly check your child's learning journey.

Evaluate, critique (with kindness), and support your child's homework.

Engage with on-line learning material / videos (minimum 2 hours a week)



Python essentials
 Web design

3. Game maker

Demonstrate the use of:

inputs, variables, string manipulation and outputs in a function, looping through lists, read from a file and write back to it

Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Demonstrate:

The difference between testing modules of a program during development and testing the program at the end of production

Finding syntax errors as errors which break the grammatical rules of the programming

Ability to interrogee unexpected output Complete normal test data and boundary testing. Regularly check your child's learning journey.

Evaluate, critique (with kindness), and support your child's homework.

Engage with on-line learning material / videos (minimum 2 hours a week)



Year 9

Curriculum Overview: Core IT Studies



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	Topics/ content outline:	Powerful Knowledge (key concepts, skills)	What will you be assessed on?	How can you help at home?
Autumn Term	1. E-Safety 2. Human Manipulation 3. Hacking: Right or Wrong? 4. Rise of the Bots	Understand a range of ways to use technology safely, respectfully, responsibly and securely, including protecting their online identity and privacy; recognise inappropriate content, contact and conduct, and know how to report concerns.	E-Safety publication Your ability to explain the importance of technology on society.	Regularly check your child's learning journey. Evaluate, critique (with kindness) and support your child's homework. Engage with on-line learning material / videos (minimum 1 hour a week)
Spring Term	Search and sorting algorithms Photoshop	Undertake creative projects that involve selecting, using, and combining multiple applications, preferably across a range of devices, to achieve challenging goals, including collecting and analysing data and meeting the needs of known users Touch up photos, create graphics such as logos or edit images to make something unreal.	Demonstration of how search and sorting algorithms operate Demonstration of digital manipulation	Regularly check your child's learning journey. Evaluate, critique (with kindness) and support your child's homework. Engage with on-line learning material / videos (minimum 1 hour a week)
Summer Term	Game board design Visual basic quiz	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information	Create game characters Creative interactive games	Regularly check your child's learning journey. Evaluate, critique (with kindness) and support your child's homework. Engage with on-line learning material / videos (minimum 1 hour a week)



Year 9 Curriculum Overview: Design & Technology; Electronics



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	Topics/ content outline:	Powerful Knowledge (key concepts, skills)	What will you be assessed on?	How can you help at home?
Autumn Term	Project 1: Music Box 1. Component Knowledge 2. Making the PCB & soldering 3. Coding using Blockly 4. Task analysis 5. Client Profile 6. Design Situation & Brief	Printed Circuit Board (PCB) manufacturing skills; small scale drilling, component recognition, soldering and testing. Coding Skills; using Blockly software and completing a series of challenges, complete tasks in the Picaxe tune wizard Research and investigation skills; task analysis, client profiling Create a design situation and design brief Specific Keywords; Input, process, output, Microcontroller, chipseat, resistor, push to make switch, piezo buzzer, download socket., track side	LST's throughout Exam style questions Self-assessment; Soldering Teacher assessment; Soldering	Resources for the Music Box project are stored in Showbie / 9?/De1 DT Electronics / 01 Music Box Encourage sketching practise Encourage revision for the LST's. Pupils to develop their revision skills to suit their learning style. Support with pupils accessing https://blockly.games/ for additional coding practice. Support revision for the end of topic test.
Spring Term	7. CAD design 8. CAM outputs Project 2: Torch 1. Populate the PCB 2. Task Analysis 3. Product Analysis 4. Design Possibilities	CAD - Develop CoralDraw skills to create "D technical drawings CAM – output the casing designs to the laser cutter, developing CAM programming skills. Portfolio through MSTeams; upskilling pupils Microsoft skills to evidence their design project. Task and Product Analysis; building research, analysis and evaluation skills. Design Ideas; explored through sketching	Self-assessment of end product. End of Topic Test Torch Project: LST's throughout Teacher Assessment on design possibilities	Resources for the Passive Amp project are stored in Showbie / 9?/Del DT Electronics / Torch Pupils will be introduced to using a design portfolio in MS Teams to evidence their work. Answer the design possibilities feedback survey. Support revision for the end of topic test.
Summer Term	4. PaperModelling 5. Final Prototype Manufacture 6. Assembly 7. Ev aluation	Paper Modelling: creating different ideas in 3D forms to test the design ideas. Manufacturing: using a broad range of processes to test the best for the pupils individual design; scroll saw, injection moulding, reflector with foil, net assembly, card mould modelling, vacuum forming. Diary of Manufacture: evidence ongoing tasks, Health & Safety and Quality Control. CAD; virtual final design output Specific Keyword: product analysis, prototype, diary of manufacture, quality control, portfolio	LST's throughout Self Assessment of the final prototype Final assessment – end of topic test	Additional design and technology resources can be found on the following websites; www.technologystudent.com https://www.bbc.co.uk/bitesize/examspecs/zby 2bdm



Year 9 Curriculum Overview: Engineering Design



Topics/content outline:

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?

Bench Hook Project

- Orthographic drawing
- Measuring and marking up
- Timber processing through subtraction (cutting and sanding)
- Timber processing through subtraction (drilling).
- Material finishes Oblique drawing
- Engineering Drawing
- 3D CAD

Working drawings: Understanding and be able to follow 3rd angle orthographic drawings to guide manufacture.

- Timber manufacturing knowledge: Marking up, sawing by machine and hand, sanding by machine and hand, drilling and assembly using standard components, applying a surface finish.
- Oblique drawing: Being able to produce freehand sketches and engineers' drawings using oblique technique.

Specific Keywords; Pilot hole, clearance hole, countersink, quality control, plywood, tolerance, orthographic drawing oblique drawing, computer aided design (CAD), work plane, extrude, dimensions.

Low Stake Test (LST) on several areas

Self-assessment of cutting and drilling.

Teacher Assessment of the assembled bench

End of project test

Resources for the bench hook project are stored In Showble / 97/Engineering/1. Bench Hook

Check class charts for homework and teacher comments.

Encourage revision for the LST's & end of project

Pupils to develop their revision skills to suit their learning style **Encourage sketching practise** Encourage On-shape (3D CAD) practice.

Spring Term

Autumn Term

Coat Hook Project

- Design Brief and
- specification
- Applied maths Design ideas
- Orthographic drawings
- Using drilling Jigs Cutting and shaping
- materials Machining
- Assembly & finishing
- 3D CAD

Design Brief and specification: Understanding the requirements of a design brief and specification.

- Applied maths: Using algebra to calculate lengths based on equal spacings
- Manufacturing knowledge; Marking up, cutting & shaping, drilling pilot clearance and countersink holes.
- Scales of production: Know the scales of production & how it they effect the production method.
- Engineers drawing: How to accurately produce orthographic drawings,

Specific Keywords; Design Brief, design specification, scales of production, Jigs, applied maths, ellipse templates, Router, chamfer, filet, rendering, orthographic drawing.

Low Stake Test (LST) on several areas

Teacher assessment of Orthographic drawing

Self-Assessment of the 3D Outcome

End of project test

Resources for the coat hook hook project are stored in Showble / 9?/Engineering/2. Coat Hook

If you are asked to be a client, please support your child by providing feedback.

Encourage sketching practise Encourage On-shape (3D CAD) practice.

Encourage revision for the LST's & end of project

Summer Term

Desk Tidy Engineering Design

- Brief and specification
- Isometric sketching Line enhancement and
- rendering techniques
- Annotation and labeling
- Development drawings
- Engineers Drawings 3D CAD modeling
- Prototyping

- Design Brief and specification: understanding the requirements of a design brief and specification
- Isometric Sketching: understand the rules for isometric drawing and be able to used it generate design ideas including line enhancement and rendering.
- Engineers drawing: be able to use drawing equipment to produce accurate engineers' isometric drawings.
- 3D CAD; be able to create and evaluate a 3D CAD
- model which includes several parts mating constraints.
- Prototyping; understand the importance of prototyping and be able to use modeling techniques effectively.

Specific Keywords: Isometric drawing, construction lines, crates, compound shapes, OCR Marks criteria, Exploded Low Stake Test (LST) on several areas

Teacher Assessment of design Ideas against KS4 m arks criteria

Self-assessment of Engineers Drawings against KS4 marks criteria

Peer assessment of 3D CAD outcome against KS4 marks criteria

End of project Knowledge test.

Resources for the Desk tidy project are stored in Showble / 9?/Engineering/3. Desk fldy

Encourage revision for the LST's & end of project

Pupils to develop their revision skills to suit their leaming style

Encourage sketching practise Encourage On-shape (3D CAD) practice.



Year 9 Curriculum Overview: Design & Technology; Food Technology



Topics/ content outline:

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?

Autumn Term

2.Raising Agent introduction 3. Raising Agent Investigation 4.Methods of cake making 5.Blackberry Traybake practical 6.Yeast Investigation 7.Bread Roll Practical 8.Aeration and Fats 9.Chelsea bun practical 10.Aeration and Protein 11. Swiss Roll Practical 12.Celebration cake planning

What is Afternoon Tea – History, taste testing, understanding the senses Understanding the different raising agents, biological,

chemical and mechanical How to conduct a food science investigation The science behind breadmaking

Function of ingredients in cake and bread making Cake making methods

Key Words: Afternoon Tea, Taste Test, Sensory Analysis Raisina Agents, biological, chemical, mechanical, Yeast, gluten,

Low Stake Tests

Blackberry Traybake - Teacher Assessment

Chelsea Buns - Peer Assessment

Swiss Roll - Self Assessment

End of Unit test

Preparation of Food ingredients for Practical

Provide a labelled container to take the food home in

Spring Term

Introduction and factors affecting food choice 2. Pizza practical

13. Celebration cake making 14 End of unit test

- 3.Food Safety
- 4.Chicken Chow Mein practical
- 5. Moral Factors
- 6.Beef Empanadas practical
- 7. Sustainable fishing
- 8. Paella practical
- 9. End of Unit test

What is Street Food and factors affecting Food Choice Understanding the Social, Moral and environmental factors affecting food choice Environmental factors affecting Food choice

Key words: Food Choice, Social, Moral, Environment, Microorganisms, Germometer ,Food Assurance, Fair Trade, GMO crops, Organic, local Food

Low stake Tests

Pizza - Self Assessment

Beef Empanandas - Peer Assessment

End of Unit Test

Preparation of Food ingredients for Practical lessons

Provide a labelled container to take the food home in

Summer Term

 Introduction and Carbohydrates 2. Banana and Honey loaf practical

- 3.Protein and Fats
- 4. Pancakes practical
- 5. Life stages and Smoothie plan
- 6. Nutritional Analysis support
- 7. Smoothie practical and The Breakfast Challenae 8.Muffins / End of Unit test

Macronutrients, Carbohydrates, Protein and Fats Dietary requirements for Different Life Stages Healthy eating and the importance of breakfast How to write a Time plan ACCESSFM - Breakfast Bar

Key words: Macronutrient, Carbohydrate, Protein, Fat.Life stages, Dietary Requirement, Challenge, ACCESSFM,

Low stake Tests

Cereal Breakfast Bar - Self Assessment

Pancakes - Peer Assessment

End of Unit Test

Preparation of Food ingredients for Practical lessons

Provide a labelled container to take the food



Year 9 Curriculum Overview: Design & Technology; Resistant Materials



Topics/content outline:

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?

Autumn Term

Balance Lamp;

- Marking-up
- Timber processing through subtraction
- Aluminium processing
- Electronics
- Assembly skills using JIGs and standard components
- . 2D and 3D hand sketching
- Timber manufacturing knowledge; Marking up, sawing by machine and hand, sanding by machine and hand, drilling and assembly by machine and hand
- Metalwork manufacturing techniques; Marking up, cutting and filing by machine and hand, drilling by machine, assembly processes
- Sketching techniques in 2D & 3D oblique and perspective

Specific Keywords; (all marking up equipment) engineers blue, scribe, scratch, cross and draw filing, metalwork vice, buffing, JIGS, personalised design. Low Stake Test (LST) on several areas

Teacher Assessment of marking up and sawing

Self-Assessment of the lamp assembly

Resources for the balance lamp project are stored in Showbie / 9?/Dm1 DT Resistant Materials / Balance lamp

Encourage sketching practise
Encourage revision for the LST's.
Pupils to develop their revision skills to suit their
learning style.

If asked, become a client for the Balance Lamp project, answering questions and supporting the design process.

Spring Term

- 7. Location research and redesign.
- . CAD using OnShape
- Bespoke design manufacturer
- Finishing Techniques

Passive Amplifier;

- Context analysis and situation.
- 2. Client and location research
- 3. Brief and Specification

- Creativity through bespoke design and sketching skills
- Research skills investigation of others
- Developing CAD through OnShape
- Using CADCAM for laser cutting
- GCSE coursework techniques to investigate the context of the 'passive amplifier'
- Coursework research technique to develop and appropriate design for a specific client.

Keywords; Finishing, Context analysis, Mind map, Client Profile, Brief & Specification Low Stake Test (LST) on several areas

Peer assessment of the final product. Core knowledge end of topic test.

Teacher assessment of the Brief & Specification Low Stake Test (LST) on several areas Resources for the Passive Amp project are stored in Showbie / 9?/Dm1 DT Resistant Materials / Passive Amplifier

Pupils will be introduced to using a design portfolio in MS Teams to evidence their work.

If asked, become a client for the Passive Amplifier project, answering questions and supporting the design process.

Support revision for the end of topic test.

Summer Term

- Initial Ideas using 2D and 3D techniques.
- Work of others inspirational research to develop idea
 Paper and card modelling
- 7. Dev eloped layered design
- Developed layered designs
 CAD Technical drawing
- Manufacture of the bespoke
 passive amplifier
- 10. Evaluation of the product

- Creativity through design, using sketching techniques and different research to develop individual ideas.
- Modelling Skills developed in paper and card
- Testing and analysis of ideas through iterative design to prepare for manufacture.
- CAD drawing skills in OnShape to create an accurate technical drawing of each part.
- Manufacture using machines and hand tools knowledge and skills developed throughout year 7-9.

Keywords; Design Fixation, Initial Ideas, Work of Others, Inspiration, design development, Modelling, Analysis & Evaluation Low Stake Test (LST) on several areas

Self assessment of the technical drawing

Peer assessment of the final product

Additional design and technology resources can be found on the following websites;

www.technologystudent.com

https://www.bbc.co.uk/bitesize/examspecs/zby 2bdm



Year 9 Curriculum Overview: Design & Technology; Textiles



Topics/ content outline:

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?

Autumn Term

Cultural Bag

- 1.Writing a design brief
- 2.Composition theory 3.Colour theory
- 4.CAD
- 5.CAM
- 6. Production Plan
- 7. Resist Dye Techniques
- 8. Fibres and Fabric

Coursework research techniques: Identifying the customer needs and wants.

- Design skills: Demonstrate scale, depth and colour, Developing CAD: repeat patterns and manipulating colour palettes.
- CAM: investigating printing techniques
- Resist dye techniques: sampling traditional methods to embellish fabric
- Research skills: investigation of others and fabrics and fibres analysis.

Specific Key words: Batik, Tie Dye, Transfer, Heat press, Colour palette, stencil, cotton, combed, carded. Composition. Low stake Tests

Teacher Assessment of Designs

Peer Assessment of sampling techniques

Self-Assessment of composition

Resources for the bag are stored in showbie / Yr 9 / Textiles / Cultural bag.

Encourage sketching and composition work. Encourage revision for LST, pupils can access showbie for this and try different techniques?

Encourage watching the Great British sewing Bee

Support pupils obtaining the fabric and trims to make the bag from.

Spring Term

Cultural Bag

- 1..Creating a pattern
- 2..Fabric marking 3.Fabric panel cutting
- 4M anufacturing 5.Lining
- 6.Evaluation

- Pattern Making: measurement, planning, markings, lay plans
- Manufacturing: 2D shapes into 3D forms. Fabric placement and cutting, production plan, using machine and hand equipment skills.
- Testing and analysis: Evaluating the bag against anthropometrics and aesthetics.

Specific Key words: grain, pattern markings, selvedge, seam allow ance, lining, bagging out, cellulose, regenerated, natural, synthetic, felting, woven, knitted.

Low stake Tests

Self-Assessment of completed product.

Resources for the bag are stored in showbie / Yr 9 / Textiles / Cultural bag.

Encourage completion of embellishment at home.

Encourage revision for LST, pupils can access showbie for this and try different techniques?

Encourage watching the Great British sewing Bee

Summer Term

Shorts

- Research of design technique
 and sustainability in clothing.
 Sampling techniques
- 3. Analysis of existing products and initial design ideas
- 4.M anufacturing specification
 5.Developing and fitting a
 prototype
- 6. M anufacturing and manipulation
- Evaluation analysis.

- Research skills: traditional prints, ivi arket research and
- sustainability safety and moral standards in the industry.
- Sketching techniques: CAD fashion illustration and bespoke design ideas.
- Skills: Pattern block, sampling machine techniques and analysing for end use, creating pockets and styling details
- Modelling: creating a toile prototype and manipulating to consider measurements and aesthetics and evaluating for improvement.
- · Specification: detailing fabric components.

Specific Key words: notch, grain line, dart, ruffle, toile, applique, knife pleat.

Low stake tests

Teacher Assessment of image board, driving test and samples.

Self-Assessment of initial design ideas, shop report and analysis.

Resources for the short are stored in showbie / Yr 9 / Textiles / short

Encourage sustainability research.

Encourage watching the Great British Sewing

Provide no longer needed garments and fabric items to be brought into school to reuse for making the shorts.



Year 9 Curriculum Overview: ENGLISH



Autumn Term

Topics/content outline:

Voices and Voicelessness:

- The Hate U Give by Angie Thomas
- Persuasive writing
- Protest poetry
- Exploration of spoken language within The Apprentice

Powerful Knowledge (key concepts, skills)

Concept of the hero
Concept of the outsider
Identity
Human psychology + Mental health
Morality
Modern American society
Social status and class differences
Political ideologies
Poverty + Inequality
Gender roles
Race relations

Narrative Structure

What will you be assessed on?

- Writing a persuasive speech about a topic of your choice, testing your ability to craft an argument, incorporating relevant ideas, a variety of sentence structures, punctuate accurately and use vocabulary for impact
- Exploration of the central character's use of voice, testing your inference and interpretation skills and ability to analyse language / comment on the effects of the writers' word choices
- Exploration of Lord Sugar's use of language testing your inference and interpretation skills and ability to analyse language / comment on the effects of the writers' word choices

How can you help at home?

- Wider reading sheet on Showbie with suggestions of enrichment reading and activities to try
- Support students with reading the novel together at home. A scanned in copy is available on Showbie
- Explore newspaper articles about racism in America such as
- https://www.bbc.co.uk/news/world-uscanada-61238017
- Listen to podcasts such as 'Code Switch' and 'Early Risers'

Spring Term

Love and Relationships:

- Romeo and Juliet by William Shakespeare
- The structure of tragedy
- Non-fiction articles about relationships

Human psychology
Mental Health
Morality
Social status and Class differences
Inequality
Gender relations

Tragic genre

- Explore how Shakespeare presents the relationship between Romeo and Juliet, testing your ability to craft an argument and your inference and interpretation skills
- Comparison of the father / daughter relationship across two scenes, testing your ability to analyse language and compare ideas
- Writing to argue your views on relationships between parents and children, testing your ability to craft an argument, incorporate relevant ideas, a variety of sentence structures, punctuate accurately and use vocabulary for impact
- Wider reading sheet on Showbie with suggestions of enrichment reading and activities to try
- Watch different film versions or theatre versions of 'Romeo + Juliet'
- Encourage students to watch the news for contemporary stories on relationships

Summer Term

The Power of the Imagination:

- The Wall by John Lanchester
- The dystopian genre
- Extracts from a range of dystopian fiction
- Creative writing in the style of dystopia

Concept of the hero
Concept of the villain
Identity
Human psychology + Mental health
Society of the future
Social status and Class differences
Dystopian genre
Narrative Structure

- Compare how two writers create fear, testing your analysis of the writers' use of language and comparing ideas across two texts
- Writing creatively in the style of a dystopia, testing your imaginative ideas, structure of ideas, variety of sentence structures, accuracy of punctuation, vocabulary choices
- Exploration of the protagonist across the novel, testing your inference and interpretation skills and ability to craft an argument
- Wider reading sheet on Showbie with suggestions of enrichment reading and activities to try
- Support students with reading the novel together at home. A scanned in copy is available on Showbie
- Watch dystopian films or read dystopian stories, identifying conventions of the genre together

Invite information.

Afternoon Tea Event

7.Menuplanning



Year 9 Curriculum Overview: Event Management

Specific Keywords

Service, catering, tradition, venue, savoury, pastry,

raising agent, market research, planning, suitability,

rubbing in, shaping, seasonal, cross contamination, high



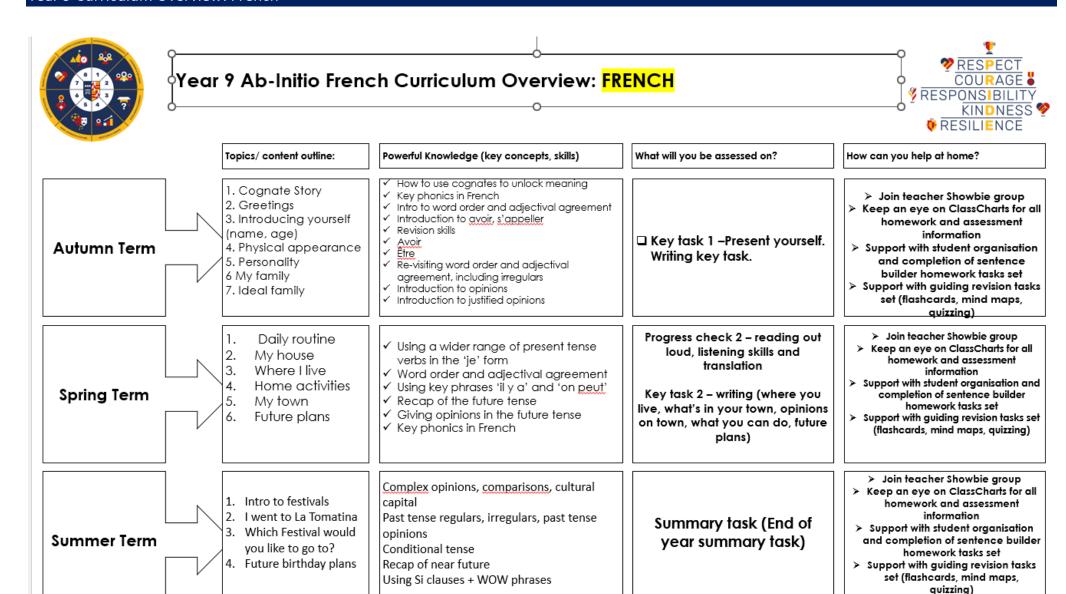
Encourage pupils to watch a food

Hollywood's Bread.

programme e.g. Great British Bake off and Paul

Topics/ content outline: Powerful Knowledge (key concepts, skills) What will you be assessed on? How can you help at home? Food Safety in the catering industry: Examining the Laws and systems in place to implement hygiene and safety Food Safety and Hygiene Level 1 course Encourage the pupils to organise the Topic: Fakeaway in catering provisions and customer safety. ingredients the weekend before the practical Low Stake Tests .Food safety legislation and check what they need in advance. Healthler and Nutrillous Takeaway Dishes: Adapting 2. Food safety quality Temperatures in catering. classic take away dishes with different ingredients, insist that pupils prepare and weigh out all the KS4 Exam style questions **Autumn Term** 4.Applying heat to food processes and cooking methods to illustrate a healthier ingredients for the practical lessons. Teacher Southern Baked Chicken Review 5.Cooking methods outcome and lifestyle. Mircro organisms Self-assessment Saag curry review Encourage pupils to watch a food programme Self-assessment Falatel Burger Review 7.HACCP e.g. Great British Bake off or master chef. Specific Keywords: Peer - Baked Beef Burnto Review Contamination, HACCP, Food safety Act, Environmental Health Officer, Food safety Regulations, Hazards, Legislation, hygiene, micro-organisms. Encourage the pupils to organise Topic: Italian How different catering and hospitally provisions operate: Low Stake tests ingredients the weekend before the Analysing different types of food services in the industry. practical and check what they need in 1.Types of food service. Identify job roles and expectations in the front and back KS4 Exam style questions 2.Commercial and nonof house in different catering provisions. commercial sectors Spring Term Scone based Teacher review Insist that pupils prepare and weigh out all the ingredients for the practical lessons. 3. Jobs. uniforms and attributes Specific Keywords: self-assessment Tramisu review 4.Front of House roles Commercial, establishment, provision, attributes, Self-assessment lasagne review 5.Back of house roles Self-assessment meatballs review Encourage pupils to watch a food programme griddle, service, catering, enrichment, coagulation, 6.Kitchen equipment eer carbonara review e.g. Gino's Italy on Netflix or Stanly Tucci roux, residential, whisking, layering, kneading, fermentation. Searching for Italy. Topic: Afternoon Tea Planning and Organising an event: Encourage the pupils to organise Identifying information necessary for planning an event. the ingredients the weekend before the .Afternoon tea history Analysing different venues, catering and customer Low Stake Tests practical and checkwhat they need in 2.Event Analysis advance. Venue research Researching traditional afternoon tea foods served at a Teacher Pizza Pinwheels review 4.Room layouts formal event and how to produce these. Summer Term Self-assessment Cheese and spinach pasties Insist that pupils prepare and weigh out all 5.Place settings review the ingredients for the practical lessons.

Peer sausage rolls review





MAINSTREAM Year 9 French - FRENCH



Mary San				
	Topics/ content outline:	Powerful Knowledge (key concepts, skills)	What will you be assessed on?	How can you help at home?
Autumn Term	1. Favourite social media 2. What you do with technology in your free time 3. What you will do - free time activities/technology/social media 4. How you used social media/technology last night 5. Christmas – cultural differences	Justified opinions, comparisons, other people's opinions Present tense ER verbs, negatives Recap of near future Intro to past tense – not heavy grammar focus	Reading, listening and translation	Join teacher Showbie group Keep an eye on ClassCharts for all homework and assessment information Support with student organisation and completion of sentence builder homework tasks set Support with guiding revision tasks set (flashcards, mind maps, quizzing)
Spring Term	1. Intro to festivals 2. I went to Nice Carnival/La Tomatina 3. Which Festival would you like to go to? 4. Future birthday plans	Complex opinions, comparisons, cultural capital Past tense regulars, irregulars, past tense opinions Conditional tense Recap of near future	Writing 90 word in 3 tenses	Join teacher Showbie group Keep an eye on ClassCharts for all homework and assessment information Support with student organisation and completion of sentence builder homework tasks set Support with guiding revision tasks set (flashcards, mind maps, quizzing)
Summer Term	1. Healthy living	Justified opinions, using 5 tenses, transactional language	Writing and speaking – all 4 skills	Join teacher Showbie group Keep an eye on ClassCharts for all homework and assessment information Support with student organisation and completion of sentence builder homework tasks set Support with guiding revision tasks set (flashcards, mind maps, quizzing)



Year 9 Curriculum Overview: Geography



Autumn Term

Topics/content outline:

Our Unequal World – How is globalisation affecting the development gap?

2. Our Dangerous World – Why do the impacts of tsunamis differ?

Powerful Knowledge (key concepts, skills)

Social, economic, cultural and political globalisation Deindustrialisation in the UK Employment sectors Transnational Corporations with Nike case study The importance of China in a globalised world

Destructive plate margins Impacts and responses of the Indian Ocean tsunami Why was the Indian Ocean tsunami so devastating? The Hazard Management Cycle Impacts and responses of the

Tohoku tsunami

What will you be assessed on?

- Globalisation knowledge check: examples of globalisation, employment sectors, the North-South divide and distribution of TNCs
- Globalisation end of topic assessment: examples, benefits and concerns of globalisation, the Belt and Road initiative in China and transnational corporations
- Tsunami assessment: causes, characteristics, impacts and responses to names examples

How can you help at home?

- Discuss the interconnectedness of different countries and people around the world
 Watch the news/ read newspapers to stay up to date with current affairs
- Read Ghosts of the Tsunami by Richard Lloyd Parry or Tsunami Girl by Julian Sedgwick
- Complete revision clock/ other methods including revision cards.
- Watch the film The Impossible (12A)
- Read/ listen to 2015 Pulitzer Prize winning article (you can read one article for free). Electronic version available on Showbie

https://www.newyorker.com/magazine/2015/07/20/thereally-big-one.

Spring Term

- 3. <u>Our Dynamic World</u> What are the worlds geographical challenges?
- 4. Our Local World Is Bradford a typical city?

Location of the Middle East Conflict in the Middle East Israel and Palestine Wilderness areas Threats to wilderness areas Desertification Managing desertification Palm oil/ deforestation What is the history of Bradford? (Using the Wool Exchange as a common feature) Why is Bradford the city of culture? How is Bradford likely to develop in the future?

- Conflict and challenge assessment desertification, wilderness areas, Israel-Palestine conflict, desertification.
- History of Bradford project producing a presentation to teach others about your assigned period of Bradford's history
- Promoting the city of culture leaflet Focusing on why Bradford is the city of culture.
- Keep a news diary of stories on conflict in the Middle East (especially Israel and Palestine)
- Watch Louis Theroux 'The Ultra Zionists' or other documentaries regarding conflict in the Middle East
- Research the Sahel region of the world
 Visit Chester Zoo or use the information on their website to explore the issues surrounding
- palm oil https://www.chesterzoo.org/?s=palm+oil
 Visit Bradford to explore the culture experiences within the city.
- Check the Visit Bradford website to see local events and places of interest https://www.visitbradford.com/

5.**GCSE-Living World** – Tropical

Rainforests.

GCSE- Living World

Hot deserts Finished at the start of year 10 Ecosystems exist at a range of scales and involve the interaction between biotic and abiotic components.

Tropical rainforest ecosystems have a range of distinctive characteristics.

Deforestation has economic and environmental impacts.
Tropical rainforests need to be managed to be sustainable.
Hot desert ecosystems have a range of distinctive characteristics.
Development of hot desert environments creates opportunities and

Areas on the fringe of hot deserts are at risk of desertification
Hot desert ecosystems have a range of distinctive characteristics.
Development of hot desert environments creates opportunities and
challenges. Areas on the fringe of hot deserts are at risk of
desertification.

Abiotic, biotic, consumer, decomposer, ecosystem, food chain, food web, nutrient cycling, global ecosystem, producer, biodiversity, commercial farming, debt reduction, deforestation, ecotourism, logging, mineral extraction, selective logging, soil erosion, subsistence farming, sustainability, appropriate technology, biodiversity, desertification, hot desert, over-cultivation, overgrazing.

- Knowledge Check biomes and ecosystems
- Mid-topic assessment physical characteristics of tropical rainforests and causes of deforestation
- End of Topic as sessment

Visit 'Tropical World' to explore the adaptations of plants and animals in both tropical rainforests and hot deserts - https://tropicalworld.leeds.gov.uk/

Watch any Planet Earth episode on Tropical rainforests or deserts on BBC iPlayer

- Complete all pages in booklet
- Complete revision clocks
- Use checklists for revision
- Use the revision guides and revision cards that are offered for purchase by the school.



Year 9 Curriculum Overview: History



Topics/content outline: Enquiry 1: How did Europe go towar in the Summer of 1914? **Autumn Term** Enquiry 2: Should the First World War be remembered as a conflict of

mud, blood and trenches"?

Enquiry 3: Who fought in the First

Students will develop their understanding of the following substantive concepts: 1. Empire 2. War 3. Militarism 4. Alliance 5. Nationalism 6. Patriotism 7. Imperialism

Powerful Knowledge (key concepts, skills)

Students will develop their understanding of the following substantive concepts: 1. Trenchwarfare 2. Behind the lines 3. stalemate 4. technology 5. Empire

Students will develop their understanding of the following substantive concepts: 1. Discrimination 2. Racism 3. Labourer 4. Empire 5. Colony Racism

What will you be assessed on?

Students will complete a know ledge test which addresses the core know ledge and written assessment relating to the outbreak of the First World War.

Enquiry 2 and 3

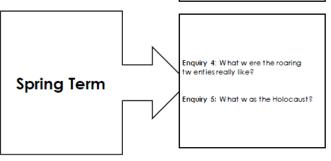
Students will complete a know ledge test which addresses all of the content studied about the First World War and written assessment relating to the global nature of the First World War.

How can you help at home?

Enquiry 1 and 2

Participate in the Year 9 Battlefields trip. This will allow you to visit some of the important locations associated with the First World War Read All Quiet on the Western Front by Erich Maria

Watch the BBC Documentary series The World's War: Forgotten Soldiers of Empire by David Olusoga



Enquiry 4

Students will develop their understanding of the following substantive concepts: 1. Prosperity 2. Consumerism 3. Golden Age 4. boom 5. Segregation 6. corruption 7. prohibition 8. lynching 9. political power 10 Racism 11. capitalism 12 The American Dream 13. Gender

Students will develop their understanding of the following substantive concepts: 1. Antisemitism 2. persecution 3. pagrom 4. perpetrators

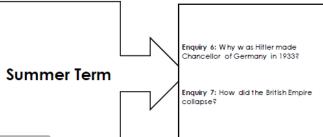
Students will complete a knowledge test which addresses the core knowledge and written assessment. The written assessment asks students to consider different interpretations of the 1920s.

Enquiry 5

No assessment for this enquiry

Enquiry 3

Read The Great Gatsby by F Scott Fitzgerald



Students will develop their understanding of the following substantive concepts: 1. Hyperinflation 2. Economic depression 3. unemployment 4. democracy 5. dictatorship 6. Chancellor 7. Anti-Semitism 8. Communism 9 Fascism

Student will complete a piece of extended writing about the reasons for Hitler's appointment in January 1933.

Enquiry 6

Listen to the BBC Podcast series Nazi: Rise to Power https://www.bbc.co.uk/programmes/p0dt0mq0/epis odes/player

Enquiry 2

Research decolonisation and independence in other parts of the British Empire.



Year 9

Curriculum Overview: Information Technology



Topics/ content outline:

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?

Autumn Term

1. E-Safety

- 2. Google sketch-up
- 3. Animation
- 4. Dreamweaver

Understand a range of ways to use technology safely, respectfully, responsibly and securely, including protecting their online identity and privacy; recognise inappropriate content, contact and conduct, and know how to report concerns.

Create, reuse, revise and repurpose digital artefacts for a given audience, with attention to trustworthiness, design and usability, such as, creating a 3D object using a graphics

E-Safety publication

Create a realistic or life like model

Demonstrate the use of professional graphics package

Regularly check your child's learning journey.

Evaluate, critique (with kindness), and support your child's homework.

Engage with on-line learning material / videos (minimum 1.5 hours a week)

Spring Term

Samsung Challenge
 Spreadsheets

3. Data science

Evaluate an existing game and create a success criteria

Undertake creative projects that involve selecting, using, and combining multiple applications, preferably across a range of devices, to achieve challenging goals, including collecting and analysing data and meeting the needs of known users

Create a spreadsheet solution to a given problem scenario

Demonstrate the use of conditional formatting to display the score in a variety of colours, record a macro to clear the answers from the quiz Regularly check your child's learning journey.

Evaluate, critique (with kindness), and support your child's homework.

Engage with on-line learning material / videos (minimum 1.5 hours a week)



Understand the benefits and use of 2D and 3D models.

Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.

Touch up photos, create graphics such as logos or edit images to make something unreal.

Demonstrate that you animate an object using key framing, alter the speed of my animation, and change the quality of my render because I can edit the resolution

Demonstrate the use of vertices, edges and faces, change the overall structure of the shape.

Regularly check your child's learning journey.

Evaluate, critique (with kindness), and support your child's homework.

Engage with on-line learning material / videos (minimum 1.5 hours a week)



Year 9 Curriculum Overview: **Mathematics**



Topics / Content Outline

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?

(1) Number Sense (2) Indices and Surds (3) Expanding and Autumn Factorising expressions Term (4) Representing data (5) Forming and solving eauations

- Multiply and divide decimals with decimals
- Estimate the answer to a calculation
- Product rule for counting
- Apply index laws including negative & fractional indices
- Work with numbers in standard form
- Simplify, multiply and divide simple surds
- Expand brackets up to three linear expressions
- Factorise expressions including quadratics
- Draw and interpret Composite/dual bar charts
- Draw and interpret pie charts and scatter graphs Construct and interpret frequency and two-way tables
- Set up and solve linear equations and inequalities

End of topic tests will be completed in lessons every 2 - 3 weeks.

Encourage active participation in weekly Sparx Maths 'Compulsory' homework.

Support students with revision (as required) ahead of the assessment using auality resources such at

> Maths Genie Dr Frost Maths Corbett Maths

Spring Term

- (6) Pythagoras' Theorem
- (7) Formulae
- (8) Sequences
- (9) Linear Graphs
- Calculate missing sides in a right-angled triangle Use Pythagoras' theorem to solve problems in context Substitute into formulae
- Rearrange formulae
- Generate linear, geometric and other sequences given an algebraic rule
- Find the nth terms of linear and quadratic sequences
- Understand, use and construct graphs of the form y=mx+c Find the equation of a line graphically and algebraically
- Explore parallel and perpendicular lines

A mid-year assessment will be completed on the topics covered up to that point in the year. Students will receive a revision checklist and full information will be posted on ClassCharts.

End of topic tests will be completed in lessons every 2 - 3 weeks.

Encourage active participation in weekly Sparx Maths 'Compulsory' homework.

Support students with revision (as required) ahead of the assessment using quality resources such at

> Maths Genie Dr Frost Maths Corbett Maths

Summer Term

- (10) Percentages
- (11) Data analysis
- (12) Ratio and Proportion
- (13) Similarity

- Recognise and solve percentage problems (including using a multiplier)
- Solve reverse percentage problems
- Solve problems with repeated change and compound
- Find averages from frequency tables
- Compare distributions
- Solve various ratio and proportion problems including scale diagrams, currencies, recipes and best buys
- Solve problems involving direct and inverse proportion
- Solve problems to do with similarity (linear only)

An end of year assessment will be completed on the topics covered in vears 7, 8 and 9. Students will receive a revision checklist and full information will be posted on ClassCharts.

End of topic tests will be completed in lessons every 2-3 weeks.

Encourage active participation in weekly Sparx Maths 'Compulsory' homework.

Support students with revision (as required) ahead of the assessment using quality resources such at

> Maths Genie Dr Frost Maths Corbett Maths



Year 9 Curriculum Overview: Media Studies



Topics/ content outline:

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?

Autumn Term

Media Language

- Friday Night Lights
- Riverdale

Shot types

- Camera Movement
- Semiotics Signs and Symbols
- Narrative Structures
- Genre
- Archetypes
- Encode and Decode

How to decode a teen drama using key terminology and applying theories accurately. Watch/Consume different types of media: Film, TV, Radio, Magazines, Games, Adverts.

BBC Bitesize

<u>Genre</u> Narrative



Representation

- Heartstopper
- Young Royals

Under-representation

- Stereotypes
- Cultural capital
- Mis-representation
- Bias
- (age, gender, sexual orientation, ethnicity, disability, location)

The ability to express understanding of the representation of different groups within society focusing on the LGBT+ case study linking to historical context.

Watch/Consume different types of media. Film, TV, Radio, Magazines, Games, Adverts.

BBC Bitesize

Representation



Industry

- Veronica Mars Audience
- Buffy the Vampire Slayer
- 4Cs The cross-cultural consumer characteristics
- Social Grading
- Uses and Gratification Theory
- Mergers and acquisitions
- Target Audience
- The power of fandom

Knowledge and understanding marketing and distribution of Teen TV dramas using the case studies to create a social media campaign.

Watch/Consume different types of media. Film, TV, Radio, Magazines, Games, Adverts.

BBC Bitesize

Industry Audience



Year 9 Curriculum Overview: MUSIC



Autumn Term 1. Live Lounge 2. Variations

Powerful Knowledge (key concepts, skills)

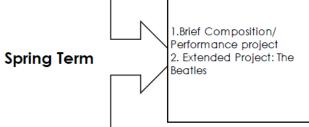
- Rock and Pop song structure/chord sequences/Riffs and Hooks/Cover version techniques/band etiquette
- 2. Variation techniques and devices linked to MAD TI SHIRT

What will you be assessed on?

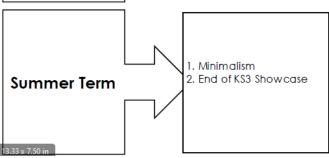
- Cover version composition and performance assessment
- Composition assessment/listening test

How can you help at home?

BBC Live Lounge on iPlayer is a great resource to watch/listen to:
https://www.bbc.co.uk/iplayer/episodes/p01029
mg/radio-1s-live-lounge



- Lessons will operate on a carousel basis as students will work on a composition task and a performance piece over a six-week period.
 Resources will be provided to support but it is anticipated that students will work to personalised deadlines/targets set.
- A unit designed to bridge the gap to GCSE
 Music. The focus will still be practical, but
 students will spend time analysing and
 deconstruction Beatles repertoire.
- End of half-term deadline to upload performance and composition work.
- Performance of Beatles track; appraising work and practice GCSE style questions.
- Homework tasks will be set to support progression through this unit.
- The Beatles- share any knowledge about the Fab Four; watch some Beatles performances together!



- A look at Minimalist techniques such as phase-shifting/ additive and subtractive processes. Group skills within a texture.
- Students select an activity from a menu. Possible options include solo and group performance of free-choice repertoire/free-choice or brief-led composition.
- 1. Minimalist group composition

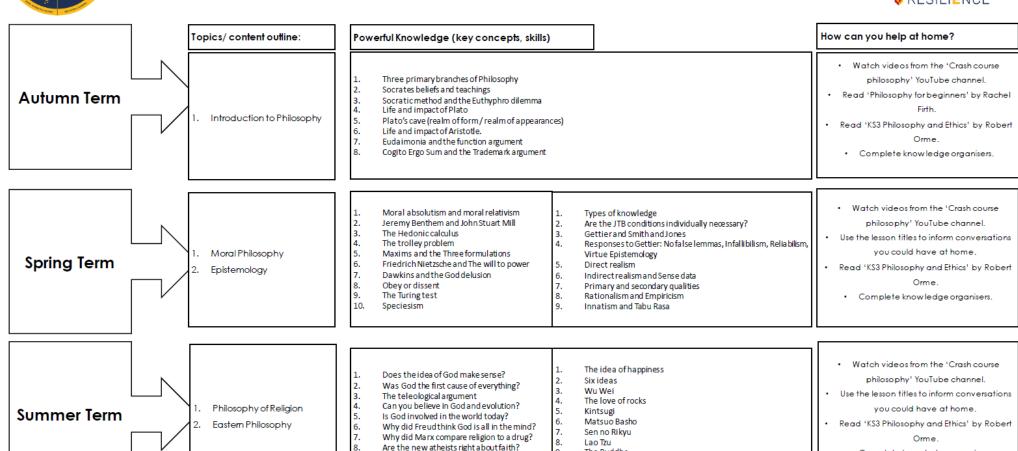
To support your young musician with their preparation for the KS3 Showcase, encourage them to show their work to others or even perform in front of a friendly family audience



Year 9 Curriculum Overview: Philosophy and Ethics



Complete knowledge organisers.



What do people in the UK believe?

The Buddha

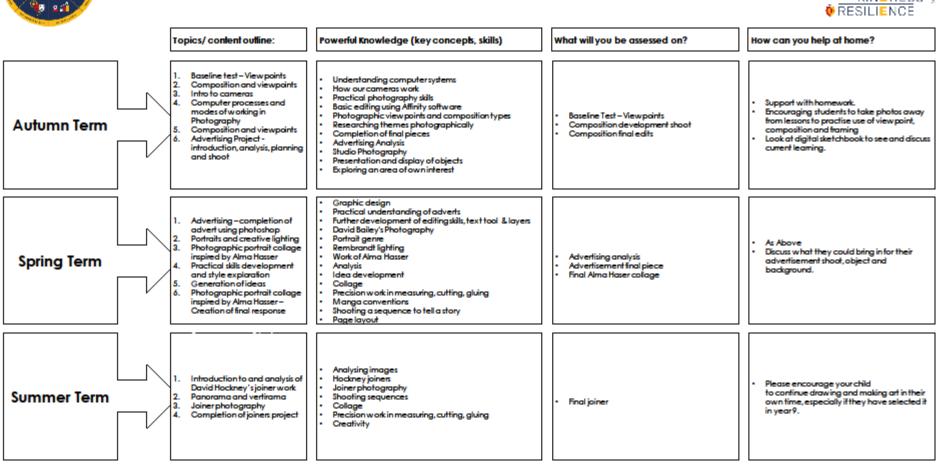
Confucius

10.



Year 9 Curriculum Overview: PHOTOGRAPHY







Year 9 Curriculum Overview: Physics



Topics/ content outline:

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?

Autumn Term

4.5.6.1 Describing Motion Along a

Waves

4.6.1.1 Transverse & Longitudinal - Energy transfer/ medium/ amplitude/ frequency/ wavelength See additional $\underline{\text{list 1}}$ and $\underline{\text{list 2}}$ All the content is equally important as far as exams and

progress in the course is concerned.

Knowledge identified as "powerful" is highlighted in yellow.

See additional list 1 & list 2

The most up-to-date listings re. what's on the tests will be on Showbie "Physics ALL Y9" Question students to test their recall of the Knowledge Organisers ("KOs" or Checklists

- Encourage students to turn KOs into factcards
- Encourage students to use factcards properly
- Encourage students to use the practice topic questions, or work on them together
- Encourage students to follow the links to Bitesize or free GCSE Science lessons & show them how to use them effectively get urning content into a visual representation, pausing & rewinding where necessary.

Links, topic questions etc are available in the Showbie class "Physics ALL Y?".

Spring Term

waves 4.6.1.1 & 4.6.1.2 Measuring the speed of sound. Period & $T = \frac{1}{2}$. Using $v = f \lambda$. Making measurements of waves on a ripole tank

Electromagnetic Waves 4.6.2.1 – 4.6.2.4 Types, properties, uses and applications of electromagnetic waves. Refraction.

See additional list 3 & list 5

All the content is equally important as far as exams and progress in the course is concerned. Knowledge identified as "powerful" is highlighted in yellow.

See additional list 1, list 4 & list 5

The most up-to-date listings re. what's on the tests will be on Showbie "Physics ALL Y9"

- Question students to test their recall of the Knowledge Organisers ("KOs" or Checklists
 Encourage students to turn KOs into factoards
- Encourage students to use factoards properly
- Encourage students to use the practice topic auestions, or work on them together
- Encourage students to follow the links to Bitesize or Free GCSE Science lessons & show them how to use them effectively eg turning content into a visual representation, pausing & rewinding where necessary.

Links, topic questions etc are available in the Showbie class "Physics ALL Y?".

Summer Term

Electricity
Current/PD/resistance. Circuits & symbols. W=QV. V=IR. I-V for a fixed resistor. Series & parallel circuits. Resistors in series and parallel

Atomic Structure
4.4 Atomic Structure: Atoms &
isotopes. Structure of atom.
Development of the atomic
model. Massno. & atomic no.

See additional <u>list 6</u> & <u>list 7</u>

All the content is equally important as far as exams and progress in the course is concerned. Knowledge identified as "powerful" is highlighted in yellow. See additional list 1, list 4, list 5 & list 6

The most up-to-date listings re. what's on the tests will be on Showbie "Physics ALL Y?"

- Question students to test their recall of the Knowledge Organisers ("KOs" or Checklists
- Encourage students to turn KOs into factcards
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- Encourage students to follow the links to Bitesize or free GCSE Science lessons & show them how to use them effectively get urning content into a visual representation, pausing & rewinding where necessary.

Links, topic questions etc are available in the Showbie class "Physics ALL Y?".



Year 9 Curriculum Overview: Pre-GCSE PE



Topics/ content outline: What will you be assessed on? How can you help at home? Powerful Knowledge (key concepts, skills) Being able to label the Skeletal system The Skeletal system Check in on Class Charts Names & locations of Bones 1. Names & locations 2. Names & locations of Muscles Being able to label the Muscular system Check in on Showbie What is an Antagonistic Pair 6 Functions of bones 3. Understanding the role of How will developing revision and exam Antagonistic Pairs Role of an Agonist muscle 2. The Muscular system techniques **Autumn Term** 2. Role of an Antagonist muscle Names & locations 4. Revision techniques for PE 3. Understanding what a fixator muscle is. 2. Antagonistic pairs 5. Introduction to PE exam Knowledge of revision techniques specific to PE technique Knowledge of exam techniques specific to PE 6. Progress testing Developing review skills to increase understanding Progress test review of areas which need developing The Lever system Check in on Class Charts Being able to label the components of all 3 levers Types of levers in the body Name & draw all 3 levers Check in on Showbie Being able to give sporting examples for each lever 2. How movement occurs How will developing revision and exam Sporting examples per lever Knowledge of revision techniques specific to PE through the lever system techniques Knowledge of exam techniques specific to PE 3. Revision techniques for PE Developing review skills to increase understanding of 5. Introduction to PE exam areas which need developing technique Spring Term 6. Progress testing Progress test review Check in on Class Charts 1. The Cardiovascular system Being able to label the components of the heart The Cardiovascular system Check in on Showbie 2. Revision techniques for PE Being able to describe the differences of all blood vessels Labeling the heard Being able to describe the pathway of blood through the How will developing revision and exam Pathway of blood 5. Introduction to PE exam heart and lungs Cardiac cycle techniques technique Understand the cardiac cycle 6. Progress testing Differentiating blood vessels Knowledge of revision techniques specific to PE Knowledge of exam techniques specific to PE 7. Progress test review Summer Term Developing review skills to increase understanding of areas which need developing



Year 9 Curriculum Overview: PE



Autumn Term 1. Hockey 2. Rugby 3. Badminton

Powerful Knowledge (key concepts, skills)

- To show knowledge and understanding of complex skills in team sports
- 2. Be able to use the skills in full sided games
- To understand the more complex rules and officiating
- To know and understand the fitness components required for the sport
- To learn to work together and appreciate all members of the group
- To learn the basic skills of badminton and understand basic scoring

What will you be assessed on?

Students will be assessed against the BRONZE, SILVER and GOLD criteria Which is assessed on the following

- Knowledge and understanding of rules and tactics
- Performance of basic skills
- 3. Physical Ability
- 4. Sportsmanship/working with others
- 5. Resilience/ perseverance
- 6. Self and Peer assessment

How can you help at home?

Encourage Extra-curricular sport:

- 1. In school
- 2. In the Community
- 3. Encourage regular exercise
- 4. A healthy diet and lifestyle

- Spring Term

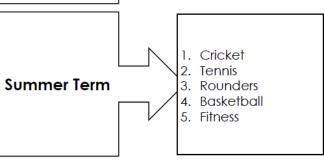
 1. Netball
 2. Football
 3. Gym
 4. Tournaments
- To show knowledge and understanding of complex skill and tactics in team sports-Netball
 To understand the more complex rules and how to
- officiate a game.
- To improve and develop their own fitness including Aerobic fitness/ flexibility.
- 4. To learn and develop more complex motor skills
- To know and understand the fitness components and show them in performances.
- To know and understand and compete in the structure of a tournament

Students will be assessed against the BRONZE, SILVER and GOLD criteria Which is assessed on the following

- Knowledge and understanding of rules and tactics
- 2. Performance of basic skills
- 3. Physical Ability
- 4. Sportsmanship/working with others
- 5. Resilience/perseverance
- 6. Self and Peer assessment

Encourage Extra-curricular sport:

- 1. In school
- 2. In the Community
- 3. Encourage regular exercise
- 4. A healthy diet and lifestyle



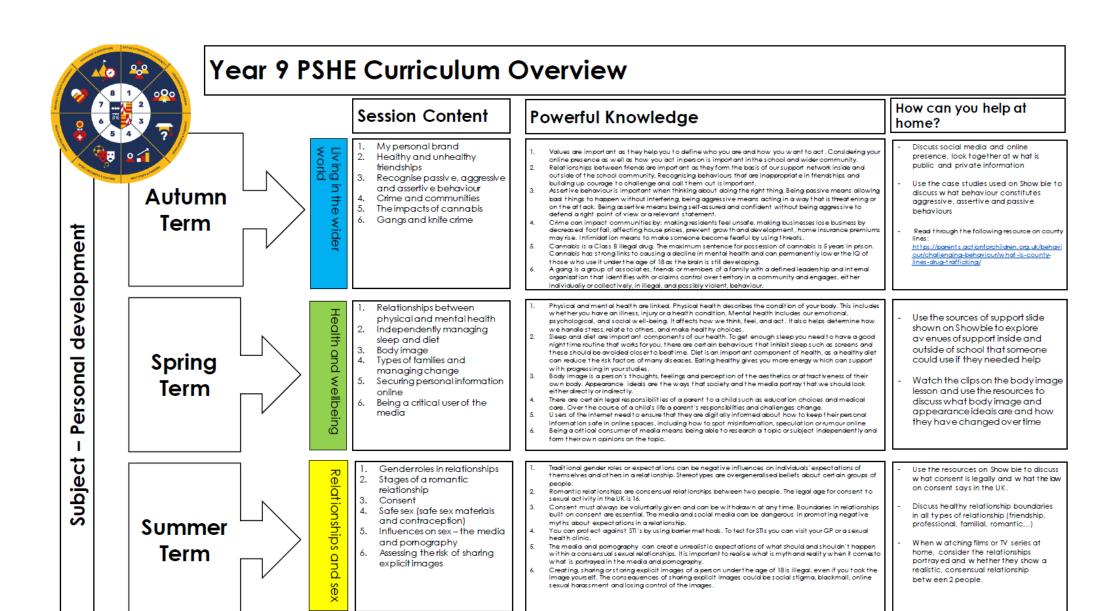
- To develop the core skills-running, throwing, striking and fielding by using their improved fitness components
- To understand the rules in all activities to score, measure, time and positions on the pitch and how to make tactical decisions
- To know and understand all safety aspects of athletics and lead to simple officiating
- To challenge themselves to improve distance/time

Students will be assessed against the BRONZE, SILVER and GOLD criteria Which is assessed on the following

- Knowledge and understanding of rules and tactics
- 2. Performance of basic skills
- Physical Ability
- L. Sportsmanship/working with others
- 5. Resilience/perseverance
- 6. Self and Peer assessment

Encourage extra-curricular sport:

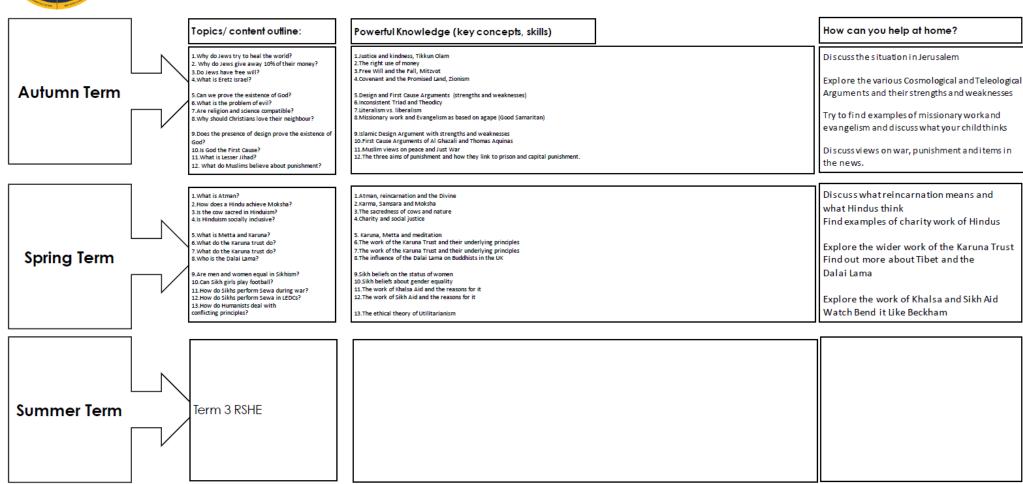
- In school
- 2. In the Community
- 3. Encourage regular exercise
- 4. A healthy diet and lifestyle





Year 9 Curriculum Overview: Religious Studies







MAINSTREAM Year 9 Spanish - SPANISH



				♥ RESILIENCE
	Topics/ content outline:	Powerful Knowledge (key concepts, skills)	What will you be assessed on?	How can you help at home?
Autumn Term	Favourite social media What you do with technology in your free time What you will do - free time activities/technology/social media How you used social media/technology last night Christmas – cultural differences	Justified opinions, comparisons, other people's opinions Present tense ER verbs, negatives Recap of near future Intro to past tense – not heavy grammar focus	Reading, listening and translation	 Join teacher Showbie group Keep an eye on ClassCharts for all homework and assessment information Support with student organisation and completion of sentence builder homework tasks set Support with guiding revision tasks set (flashcards, mind maps, quizzing)
Spring Term	1. Intro to festivals 2. I went to La Tomatina 3. Which Festival would you like to go to? 4. Future birthday plans	Complex opinions, comparisons, cultural capital Past tense regulars, irregulars, past tense opinions Conditional tense Recap of near future	Writing 90 word in 3 tenses	 Join teacher Showbie group Keep an eye on ClassCharts for all homework and assessment information Support with student organisation and completion of sentence builder homework tasks set Support with guiding revision tasks set (flashcards, mind maps, quizzing)
Summer Term	1. Healthy living	Justified opinions, using 5 tenses, transactional language	Writing and speaking – all 4 skills	Join teacher Showbie group Keep an eye on ClassCharts for all homework and assessment information Support with student organisation and completion of sentence builder homework tasks set Support with guiding revision tasks set (flashcards, mind maps, quizzing)



Year 9 Ab-Initio Spanish Curriculum Overview SPANISH



Topics/ content outline:

Powerful Knowledge (key concepts, skills)

What will you be assessed on?

How can you help at home?

Autumn Term

- 1. Cognate Story
- 2. Greetings
- 3. Introducing yourself (name, age)
- 4. Physical appearance
- 5. Personality
- 6 My family
- 7. Ideal family

- ✓ How to use cognates to unlock meaning.
- ✓ Key phonics in Spanish
- ✓ Intro to word order and adjectival agreement
- ✓ Introduction to tener, llamarse
- ✓ Revision skills
- ✓ Tener
- √ Ser
- Re-visiting word order and adjectival agreement, including irregulars
- ✓ Introduction to opinions
- ✓ Introduction to justified opinions

- Key task 1 –Present yourself.
 Writing key task.
- > Join teacher Showbie group
- Keep an eye on ClassCharts for all homework and assessment information
- Support with student organisation and completion of sentence builder homework tasks set
- Support with guiding revision tasks set (flashcards, mind maps, quizzing)

Spring Term

- 1. Daily routine
- 2. My house
- 3. Where I live
- Home activities
- . My town
- S. Future plans
- ✓ Using a wider range of present tense verbs in the 'je' form
- ✓ Word order and adjectival agreement
- ✓ Using key phrases 'hay' and 'se puede'
- ✓ Recap of the future tense
- ✓ Giving opinions in the future tense
- ✓ Key phonics in Spanish

Progress check 2 – reading out loud, listening skills and translation

Key task 2 – writing (where you live, what's in your town, opinions on town, what you can do, future plans)

- Join teacher Showbie group
- Keep an eye on ClassCharts for all homework and assessment information
- Support with student organisation and completion of sentence builder homework tasks set
- Support with guiding revision tasks set (flashcards, mind maps, quizzing)

Summer Term

- 1. Intro to festivals
- 2. I went to La Tomatina
- 3. Which Festival would you like to go to?
- 4. Future birthday plans

Complex opinions, comparisons, cultural capital

Past tense regulars, irregulars, past tense opinions

Conditional tense

Recap of near future

Using Si clauses + WOW phrases

Summary task (End of year key task)

- > Join teacher Showbie group
- Keep an eye on ClassCharts for all homework and assessment information
- Support with student organisation and completion of sentence builder homework tasks set
- Support with guiding revision tasks set (flashcards, mind maps, quizzing)