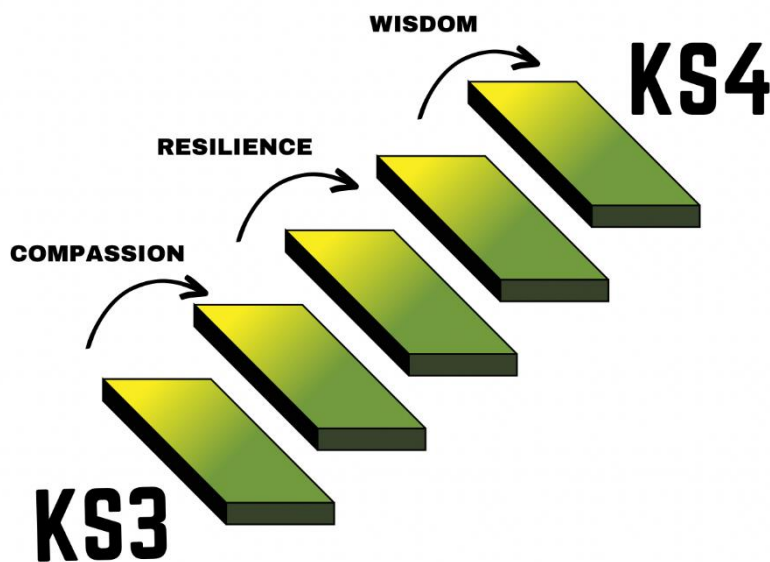




Year 9 into Year 10 Transition Material



*(image designed by
L.G.Barrell y13 2023)*

Read the advice on the first few pages, then find your subjects and complete the transition work, spare blank pages are at the back of this booklet. You will be expected to bring the completed work to your first lesson. Cutting it out of this booklet and sticking it into your exercise book.



Introduction

Year 10 is the start of the key stage 4 secondary education journey. During year 10, students settle into their GCSE subjects, covering most of the content that is examined in May of year 11. Year 10 is a chance for students to develop their independent study skills, whilst being heavily supported by home and school.

Starting year 10 can be a daunting prospect, it will also feel like the summer of year 11 is a very long way away, but time moves quickly when you are busy, and you will be extremely busy in key stage 4.

This booklet has advice for how you should approach your learning in key stage 4 and tasks that you are to complete before returning to school in September.

All tasks relevant to your September timetable must be completed ready for your first lesson.

The tasks will be stuck into your exercise book as your first piece of completed work and are designed to prepare you for the new learning set to take place in Year 10

Do not complete tasks for option subjects that you are not studying, **only complete tasks for subjects that are on your timetable.**



KS4 top tips

Students think that there will be a massive jump in difficulty from KS3 to KS4. This is not the case! The content might be more challenging than what you've come across in KS3 but if you have studied the subject in KS3, all you'll be doing is building upon what you already know.

You won't start your GCSE years being exam-ready, this is entirely normal. Instead, the focus for starting KS4 will be digesting the new topics that you'll be introduced to. This means you should try your best to focus on your lessons and ask questions when you need to, we are here to help you.

By taking the time to understand the content, you'll spend less time having to catch up when GCSE mocks and public examinations happen, and revising will be so much easier.

One thing you can do that will really help yourself is to make useful notes during lessons. Then, when you do start revising and making your revision materials, you'll have everything you need in one place. It's never too early to be organised during KS4!

You will be tested throughout your GCSEs through classroom assessments and mock examinations. The top tip is always revise for these assessments; they will help you to identify gaps in your knowledge so you can go over what you don't know. Additionally, it's great to test out different revision methods, so you can learn how you revise best.

You are now in your last years of secondary school. Although you need to put in the work to achieve the grades you want, you should also enjoy your time at school. Keep up with extra-curricular activities, play sports or spend time with friends. Most students say that KS4 flies by, so make sure you have a healthy balance of work and free time throughout your GCSE years.

We are here to help and support you with every step.



Contents

Subject	Page number
Art	5
Science Biology	6
Business	7 & 8
Science Chemistry	9 & 10
Computer science	11 & 12
Drama	13
English Language	14
English Literature	15
Food Preparation	16
French	17
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History	19 & 20
Maths	21
Music	22
PE	23 - 26
Product design	27
RE	28
Spanish	29
Textiles	30
Blank pages	31 - 36



Art and Design - AQA

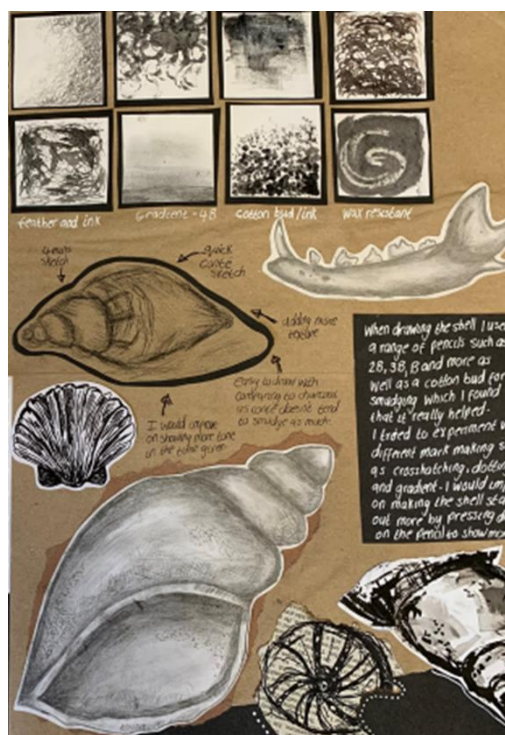
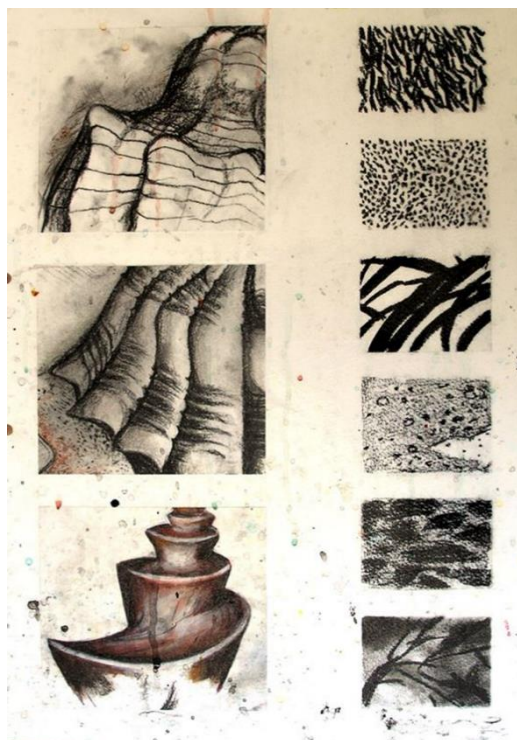
Year 10 – “Structures” Unit

At the start of your Art GCSE course, we look to develop your observational drawing skills. We begin this by observing several structures both man-made and natural to produce a series of drawing using various drawing media.

One main area we focus on is your use of mark making techniques. Your task is to produce a series of mark making experiments in pencil and biro.

TASK - On a piece of paper draw 10 boxes (5cm x 5cm). In each box experiment with a different mark making technique. E.g cross hatching, loops, dots, dashes, arcs. Try to complete 5x pencil and 5 x biro experiments. Consider how different mark making techniques can create different textures to be applied in your drawings when you begin the course in September.

Blank spare pages are at the back of this booklet.



Biology - OCR Gateway

Complete the tasks below which summarise the first GCSE unit you have completed - B1.

Draw, label and annotate an animal cell.

Draw, label and annotate a plant cell.

Describe how enzymes work. Include a diagram.

Describe how to test the effect of light intensity on the rate of photosynthesis using pondweed. Include a diagram.

Write the equations for:

- aerobic respiration
- anaerobic respiration
- fermentation
- photosynthesis



Business – Edexcel

Read me

Business is like learning a language. Once you understand the terminology, it all starts to make sense. Part of your course will consist of many vocabulary assessments to help build up your business language. To get you started you will need to watch the videos for five key terms and write your own description of what the term means.

Watch me

Click on each YouTube link and watch the following videos for each topic. You will need sound for this. Using the information in the video, complete the table below with the definitions of the key words (you may want to pause the video while you are watching it to give you time to complete the definitions. You will need to know all these definitions off by heart by the time you sit your exams.

Enterprise	https://www.youtube.com/watch?v=1zk_uSult_8
Risk and Reward	https://www.youtube.com/watch?v=gku6f_qCWpk
Competitive environment	https://www.youtube.com/watch?v=XIt7dEmo4D8
Market map	https://www.youtube.com/watch?v=lGR4ZJV_XJQ
Market Research	https://www.youtube.com/watch?v=NSavcu-clS0

Complete me



	DEFINITION (write the meaning of the word in YOUR OWN words)
Entrepreneur	
Risk	
Reward	
Market	
Market Map	
Market research	

Research task

Find examples of two successful entrepreneurs. In your own words explain what risks and uncertainties you think they may have faced before fully launching their businesses. Outline the rewards they have benefited from through taking such risks.

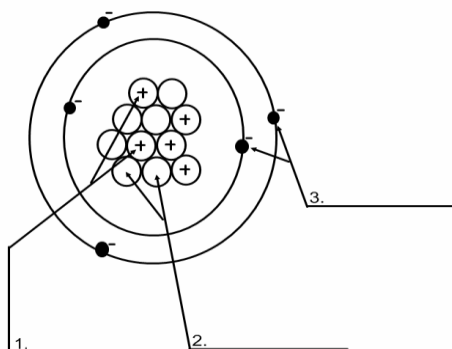


Chemistry - OCR Gateway

Complete the tasks below which summarise the first GCSE unit you have completed - C1.

	Solid	Liquid	Gas
Draw a diagram of the Particle model			
Describe the motion of the particles			
Describe the arrangement of the particles			

Label the parts of the atom below:



Complete the following table:

Sub-atomic particle	Relative mass	Charge
Proton		
Neutron		
Electron		



Physics - OCR Gateway

Complete the tasks below which summarise the first GCSE unit you have completed - P1.

State the density equation with units.

Describe an experiment that will let you find the density of a regular cube. Include the names of equipment you would need.

Define specific heat capacity.

Write the equation for calculating specific heat capacity.

Define specific latent heat.

Write the equation for calculating specific latent heat.

Use ideas about molecules to explain why increasing the volume of a gas causes a decrease in pressure.



Computer Science - OCR (J277)

There is so much **more** to this course than **programming**. However! It does still make up a **large** proportion of the content required for **Component 2** of your final exams.

Learning a programming language is just like learning **any** other language – it takes **consistent practice**.

Follow the steps below to find the **resources** you will need to use to complete this task:

- Go to the trinket.io website
- Click on the **Sign-Up** button (*top-right*)
- Create an **account** (*using your school email address*)
- Click on the **Learn** button (*in the top-right*)
- Scroll down to the **Tutorials** section (*10 lessons*)

In your **first** lesson of the course, you will be given a **digital** exercise book in **OneNote**.

Your teacher will expect you to be able to **copy/paste** in **evidence** that you have completed the **tutorials** on the next page.



Note to remember:

The table below only contains the **specific challenge** pages that you will be expected to evidence.

There are **other** pages within each Tutorial that you should still **read** through and **experiment** with!

You are far more likely to **understand** how to complete the challenge if you have read through these **first**.

Tutorial	Specific Lesson Challenges
Numbers	Simple Math Modulus Exponents
Words and Letters	Strings Multi-line strings Adding and multiplying strings
Variables	Naming Rules Use what you learned

You are more than welcome to **keep going** and complete **further** tutorials and challenges on this website!

This will be a very **useful** resource to help you **practice** your programming skills **throughout** the course.



Drama - OCR

In GCSE (9-1) Drama students are required to do the following:

- Study of a minimum of two performance texts, one explored in full and key extracts explored from a second contrasting text.
- Practical participation in a minimum of two performances, one devised and one text based.
- Demonstrate their knowledge and understanding of Drama including genre, structure, character, form and style, dialogue, and stage directions.
- Use subject specific terminology accurately.
- Be aware of design challenges inherent in a variety of performance spaces. This can cover the design of costume, set and props, as well as the technical world of lighting, sound, and projection.
- Understand key differences between the roles of performer, designer, and director.
- Use research, collaboration, and refining work through rehearsal to create their own original performances.

Task:

Watch a whole film / whole play / whole musical on your TV / in real life / go with friends or family to the cinema. DO NOT watch the entire thing on your phone, the screen size means you will miss elements of the production.

Then, capture a screenshot / find an image online / print out a photograph / draw an illustration of a notable or significant moment. (It could be your favourite bit; the opening; something from the middle; the great finale; you choose!) If you manage to catch some of the dialogue (the lines said by the characters) then make a note of that too, but try to enjoy it for its own sake, don't worry about writing down too much at the time – you're supposed to be watching! If there is a line you remember delivering once you get back home, then do make a note of it before you forget / talk to the people who watched it with you.

Print out the picture.

Get ready to stick this page (and the picture) in the journal which will be given to you.

Prepare to answer questions from your peers during the transition lessons and the start of Year 10.

I'm looking forward to working with you!

Mrs Keefe



English Language - AQA

Match the technique to the correct definition and then write an example of the technique.
Identify a technique from the description of a tree and explain its effect.

adverb	alliteration	imagery	metaphor
oxymoron	personification	pronoun	simile

Technique	Definition	Example
	the comparison of two unlike things by saying one IS the other	
	a word or phrase to stimulate your memory into imagining a picture	
	the giving of human traits to non-human things	
	the repetition of a beginning sound	
	replaces a noun	
	phrase/word which is contradictory	
	describes a verb	
	the comparison of two things using 'like' or 'as'	

An ancient mulberry tree stood at its centre. Its massive twisted branches drooped to the ground in places, its knuckles in the earth like a gigantic malformed hand. The wintry sun hung low in the sky and the gnarled growth threw long twisted shadows across the undergrowth within its cage. The trunk of the tree was snarled with the tangled ivy that grew up through the broken bricks and chunks of cement, choking it.



Complete the transition work for English literature. At the beginning of the school year, you will take this booklet of completed transition work to your lessons, you will cut along the dotted line of your English literature work and stick it into your exercise book.

English Literature AQA *Charles Dickens: "A Christmas Carol"*

Character	Importance	Personality: Add your own adjectives.
Scrooge		
Fred		
Bob Cratchit & family		
Jacob Marley		
The ghosts of Christmas		
Tiny Tim		
Belle		
Fezziwig		
Key themes: Where do we see these themes appear in the novella?		
The supernatural		
Change and forgiveness		
Family		
Wealth & Poverty		
Responsibility		
Isolation		



Food preparation and nutrition - Eduqas (WJEC)

Textbook with the course: - Food Preparation and Nutrition.

ISBN 9781908682857.

Task:

Looking at the Eatwell well plate and your diet.

Watch this video on youtube <https://www.youtube.com/watch?v=jagLUAJOLpM>

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	drinks
Breakfast								
Break								
Lunch								
Afternoon snack								
Tea								
Snack								

Using your own version of the table above. Write what you have eaten and drunk over the last 24 hours, for the next 6 days continue to fill in the table, blank pages are available at the back of this booklet for you to use.

Use the Eatwell plate colours within your table so you can easily see when you have eaten food from each different section of the Eatwell plate. Are you eating a balanced diet? Then later in the course we will repeat this exercise to evaluate if your diet has improved as you have learnt more about the importance of eating well.



French - AQA

School and Future Plans topic

The first topic we will look at is Schools in France and Francophone countries.



Task and instructions

1. Research the similarities and differences between secondary schools in France and in UK. Any search engine is acceptable, but have a look at [google.fr](https://www.google.fr)
2. Make notes on the following:
 - one or two differences between the two systems, are there subjects that are studied in one country and not the other?
 - what is a surprising difference between the two systems?
 - one or two similarities.
3. Write a short paragraph in French about schools in France. Quel système préfères-tu?



Geography - Edexcel Specification A

Choose one of the following 3 tasks to complete:

1. Physical (natural) processes

Can you name the key physical processes, and explain how they shape the landscape?

To do this you can draw sets of diagrams that illustrate these processes. Focus particularly on processes that might act on coastlines, rivers and in mountainous areas.

Can you extend this knowledge to include descriptions of the landforms these processes create?

2. Landforms

Our planet has a wonderful range of awe-inspiring landforms that give rise to varied landscapes.

Can you identify a number of landforms that are found at the coast or in river valleys? To help you with this, find an image of a landscape then label the natural landforms / features that you can see.

Can you extend this to landforms found in either hot deserts or cold environments?

3. Map skills – use of Ordnance Survey maps

Can you use Ordnance Survey maps with confidence?

Practise using the following:

- 4 and 6 figure grid references to show location
- scale to work out distance
- contours to identify height and shape of the land
- compass points to show direction

Practise finding places on an Ordnance Survey map, using the key provided to help you.

You can extend this by using Ordnance Survey maps in conjunction with photographic evidence.



History - OCR Explaining the Modern World A

Please complete a spider diagram to summarise everything you have learnt about International Relations 1918 – 1939. The middle of the spider diagram should include the word 'Conflict and Cooperation 1918-1939' and around the edges include information on the following:

- The Versailles Peace Settlement
- The League of Nations in the 1920s
- International agreements in the 1920s
 - Dawes Plan 1924
 - Locarno 1925
 - Kellogg-Briand Pact 1928
 - Young Plan 1929
- Attempts at disarmament.
- The impact of the worldwide economic depression
- Tension in Europe in the 1930s
 - Failure of the League of Nations
 - The policy of Appeasement
 - The outbreak of war in 1939

You can use the textbook pages on the Student Shared Area to help you (pages 10 – 43) – Student Shared Area/History/Year 10/2. International Relations 1919-75/Textbook pages



History - OCR Explaining the Modern World A

- The Versailles Peace Settlement

- The League of Nations in the 1920s

- International agreements in the 1920s

Dawes Plan 1924

Locarno 1925

Kellogg-Briand Pact 1928

Young Plan 1929

'Conflict and Cooperation 1918-1939'

- Tension in Europe in the 1930s

Failure of the League of Nations

The policy of Appeasement

The outbreak of war in 1939

- Attempts at disarmament.

- The impact of the worldwide economic depression



Maths - Edexcel (1MA1)

Complete the following skills check questions in the boxes provided. The extension will give you an opportunity to look at some Higher tier skills. There are two of each skill to help consolidate these topics.

Question 1 Expand and simplify $3(a + 3b) + 2(a + b)$	Question 2 Expand and simplify $5(4a - 3b) + 4(2a - 2b)$	Question 3 Work out $856 \div 4 =$	Question 4 Work out $2208 \div 23 =$
Question 5 Work out $600 \div 30 =$	Question 6 Work out $56000 \div 70 =$	Question 7 Complete 4.2 litres = ml	Question 8 Complete 80 cl = ml
Question 9 Work out $38 \times 55 =$	Question 10 Work out $16.5 \times 7.3 =$	Question 11 Round 15.16563 correct to 2 decimal places	Question 12 Round 7.78475 correct to 2 decimal places
Question 13 Solve $4(2x - 3) = 36$	Question 14 Solve $2(2x + 5) = 14$	Question 15 Work out $3 + 3 \times 5 - 4$	Question 16 Work out $31 - 8 \times 5$
Question 17 Evaluate $4^2 + 4^4$	Question 18 Evaluate $10^5 + 10^2$	Question 19 Work out $\frac{1}{2}$ of £28	Question 20 Work out $\frac{1}{3}$ of £33

Extension

Question 1 $3(4a - b) - 4(2a - 2b)$	Question 2 $5(3a - b) - 3(3a + 3b)$	Question 3 Work out $1\frac{2}{3} \div 2\frac{1}{3}$	Question 4 Work out $2\frac{2}{3} \div \frac{1}{3}$
Question 5 Work out $5 + 3 \times 3 - 10$	Question 6 $10 \times (4 + 2^2)$	Question 7 Factorise fully $2x^3 - 5x$	Question 8 Factorise fully $24x^3 + 16x^4$
Question 9 Express 176000 in standard form	Question 10 Express 37900 in standard form	Question 11 1, 3, 9, ...	Question 12 2, 4, 8, ...



Music - Edexcel

Task and instructions:

As part of GCSE music, we study 8 different extracts. I would like you to listen to each of the extracts and answer the following question:

Did you enjoy the extracts?

Give a musical explanation for your answer.

Here are the extracts: (spare paper is at the back of this booklet).

Area of study	Set works
Instrumental Music 1700–1820	<ul style="list-style-type: none">• J S Bach: 3rd Movement from Brandenburg Concerto no. 5 in D major• L van Beethoven: 1st Movement from Piano Sonata no. 8 in C minor 'Pathétique'
Vocal Music	<ul style="list-style-type: none">• H Purcell: Music for a While• Queen: Killer Queen (from the album 'Sheer Heart Attack')
Music for Stage and Screen	<ul style="list-style-type: none">• S Schwartz: Defying Gravity (from the album of the cast recording of Wicked)• J Williams: Main title/rebel blockade runner (from the soundtrack to Star Wars Episode IV: A New Hope)
Fusions	<ul style="list-style-type: none">• Afro Celt Sound System: Release (from the album 'Volume 2: Release')• Esperanza Spalding: Samba Em Preludio (from the album 'Esperanza')



PE GCSE - Summer Workbook

This is a booklet to prepare you for some of the content which will be needed when you start your course in September 2024. This is compulsory and needs to be completed for the first lesson back.

This booklet will be looking at **Components of Fitness** and how they are used within different sports.

Complete the workbook below, with as much detail as you can. Making sure you read all the tasks carefully and watch everything you are meant to watch.

Throughout this booklet we will be working with four main sports, Handball, Tennis, Gymnastics, Athletics and Netball.

Note: when we return to school you will all need to know what health and skill related component are for a range of sporting examples.

Read me

What is a skill?

A skill is an ability and quality which make it possible for you to achieve a task. They are physical acts which combined with your own sporting knowledge and understanding will allow you to complete a task to a high standard. All sports can be broken down into many skills which allow the sportsperson to be able to play them.

For example: A skill in tennis is serving the ball, a skill in cricket is bowling the ball, a skill in basketball is shooting or a skill in dance is a pirouette.



Watch me

Click on each YouTube link and watch the following videos for each sport. Sound is not essential.

Handball	https://www.youtube.com/watch?v=wEGnbR6NOYY
Tennis	https://www.youtube.com/watch?v=w1dcEF9TfuM
Gymnastics	https://www.youtube.com/watch?v=4ic7RNS4Dfo (amazing floor routine) https://www.youtube.com/watch?v=BTXvfRuUiiQ (all around)
Athletics	https://www.youtube.com/watch?v=0wHgZOERDbs
Climbing	https://www.youtube.com/watch?v=RVBskFXZwBw

Read me

Below is a table for the sports. Using the videos, select three skills that you saw in the videos to put into your table.

Try to make your skills as specific as possible. Running isn't as specific as running with the ball, or running to beat an opponent. Can you break down some of the athletics jumps into skills such as high jump run up, high jump take-off, etc

Complete me

	Skill 1	Skill 2	Skill 3
Handball			
Tennis			
Gymnastics			
Athletics			
Climbing			



HELP



If you are struggling to find skills for the different sports. Here are some examples. Feel free to use these or to use your own.

- SERVE VOLLEY RUN UP TAKE-OFF SPRINT-START SOMESAULT
- LANDING HANDSTAND PASSING THE BALL DRIBBLING REACHING
- DYNAMIC-JUMP (in climbing)
- PULLING YOUR BODY UP DODGING AN OPPONENT



Watch me

Watch the video on YouTube. You will need sound for this. Using the information in the video, complete the table below with the definitions of the key words (you may want to pause the video while you are watching it to give you time to complete the definitions. You will need to know all these definitions off by heart by the time you sit your exams.

<https://www.youtube.com/watch?v=gGAhYokmoDc>



Complete me

	Definition
Health	
Fitness	
Exercise	
Performance	

















	Health or Skill Component	Definition
Agility		
Balance		
Coordination		
Speed		
Power		
Reaction Time		
Muscular Strength		
Flexibility		
Body Composition		
Muscular Endurance		
Cardiovascular Fitness		



Product Design - (Design & Technology in the 21st Century)

WJEC Eduqas

Design Icons Find out who designed each one of these famous products/buildings and what year they were made/built.

	The Guggenheim Museum		The Mini
	The Polyprop Chair		The Chrysler Building
	The Converse All Star Trainer		The Juicy Salif
	The Coca Cola Contour Bottle		Levi 501 Jeans
	the Dyson Hoover DC01		The Panton Chair
	The Gherkin Building		The iMac G3
	The Angle Poise Desk Lamp		London Underground Map



RELIGIOUS EDUCATION - AQA Religious Studies B

Judaism will be the first of 11 modules in this exam.

Find out the difference between a Reform and an Orthodox Jew. Please refer to the synagogue or Sabbath in your answer.

Questions to answer to help get you started:

How is a Reform synagogue different to an Orthodox Synagogue?

What are the key differences between a Reform and Orthodox Synagogue?

Now provide further evidence of the differences between reform and orthodox jews, you can include images to help show differences. A table is a useful way to display differences.



Spanish - AQA

Task and instructions:

- 1) Prepare you for your first topic of your GCSE course (My studies) please research the Spanish names for your **school subjects**.

Write a list of a minimum of 15 subjects. Also include the articles (el, la, los, las) and the English translations.

Example:

El español - Spanish

- 2) Prepare for your second topic (Life at school) research the Spanish names for **school facilities**.

Write a list of a minimum of 10 school facilities. Also include the articles (el, la, los, las) and the English translations.

Example:

El gimnasio - gym

Use the following online dictionaries:

<https://wordreference.com/>

<https://www.spanishdict.com/>

<https://www.linguee.com/>



Textiles - AQA

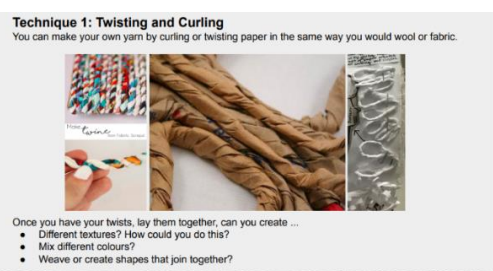
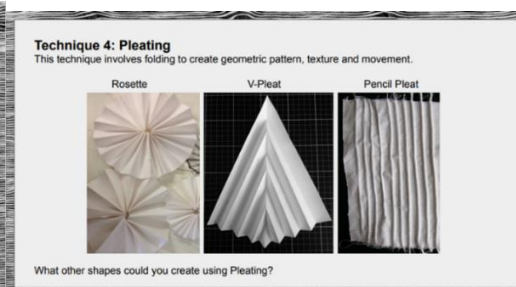
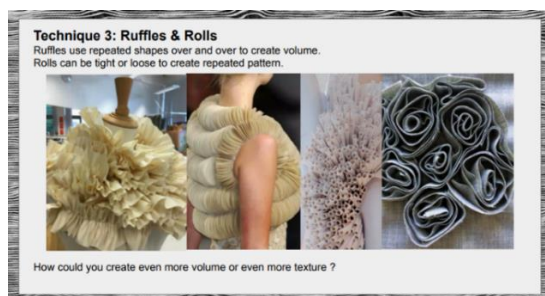
Year 10 – Paper & Fabric Manipulation

At the beginning of the course, we will develop your 2d-3D spatial awareness skills, through simple techniques of how to manipulate paper & fabric to create a 3D Form. You should create at least 1 x example of each technique – try to work out how to create the shapes yourself; if you do need some guidance there are plenty of videos online to help you too. If you can get together with someone else on the course and work together that would also be great, so that you can help each other. Try to use different types of paper to understand how differently their properties behave under manipulation. Bring along your experimentation, exemplars ready to present in your books.

A good idea is to take photographs of your work and print these out ready, so that you can show your work (as it was) in case anything gets slightly 'squashed' in transit.

Equipment list

- Paper - printer paper, newspaper, tissue paper, wrapping paper ...
- Needle and Thread (any colour)
- Scissors, ruler, pencil
- Sellotape, glue, paper clips, stapler



These are spare pages to help you complete the work for your timetabled subjects.

All transition work must be completed before your first lesson. Then you cut along the dotted line and stick the work into your new exercise book.



These are spare pages to help you complete the work for your timetabled subjects.

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