

Woodchurch High School

Summer Learning Pack



 THE CHURCH
OF ENGLAND
Diocese of Chester

to support and prepare you for

Year 9

Introduction

This pack contains tasks which will consolidate your Year 8 learning, and pre-learning tasks to help you to get a head-start in your Year 9 subjects over the summer break.

Completing these tasks will help you to feel more **prepared**, and therefore more **confident**, in September for Year 9.

We want you to enjoy the summer but also not forget all the hard work you have completed in Year 8.

You should pass any completed work to your new subject teachers in the first week back.

Your reward will be feeling better and stronger in lessons.

Good luck!

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English

What key learning do I need to revise?

1. Revise how writers create tension, considering 'The Woman in Black'. Revise definitions for the following key terms: **gradual disclosure, dramatic irony, foreshadowing, conspiracy of silence, suspense, gothic setting/character, supernatural, chronology and non-chronological structure.**
2. Watch this clip and note down how tension is created in film. Next, answer the question that follows.
<https://www.youtube.com/watch?v=VnY0fEV30Wk>
a) Directors create tension using images and sounds. How do writers achieve the same effect using words?
3. Recall details about Eel Marsh House. Why is it such an effective setting? Use this clip:
<https://www.youtube.com/watch?v=pdSQhdsrDKs>
4. Learn the structure of a short story and revise what to include at each stage. You could even write a short story to practise! Steps: **set up the story, first complication, new plan, major set-back, climax, solution.**
5. Revise how to create an interesting character and narrator. *Detail = believability.* Memorise definitions for these key terms: **first/third person narrator, unreliable narrator, physical attributes, personality traits.**
6. Learn definitions and spellings of the following words:
Identity, society, circumstance, resilience, acceptance, empathy, tolerance, respect, loyalty. Narrator, narrative perspective, cruelty, exploitation. Significant, emphasise, convey. Gothic, atmosphere, pathetic fallacy, contrast, stereotype, traditional, duplicitous.

How can I get a head-start?

1. To prepare for your study of ***Of Mice and Men*** by John Steinbeck, or ***To Kill a Mockingbird*** by Harper Lee, create an engaging leaflet entitled 'Life in America in the 1930s'. Research the following and include a section on each in your leaflet:
 - a. The Wall Street Crash of 1929
 - b. Unemployment
 - c. Farming life and the Dustbowl
 - d. Racial Tension in the Deep South
 - e. The Civil Rights Movement
2. To prepare for your study of ***Stone Cold***, research homelessness in Britain today. Write an article for a school magazine which raises awareness of homelessness and persuades people to respond. You should include:
 - a. Common reasons why people become homeless
 - b. Peoples' views of homelessness
 - c. Why it is a growing problem
 - d. What support is available**Remember to include persuasive devices to impact on your audience (SPEARFACTOR)**
3. To prepare for your study of ***The Crucible***, research witchcraft. Create a guide entitled 'Witchcraft Through the Ages'. Include a section on each:
 - a. Witchcraft in 16th and 17th century (England and America)
 - b. Witchcraft in the modern world

You should try to include information on beliefs, practices and treatment/persecution.

- Remember - the format/layout for all these texts can be found in your literacy book.

We want to remind you that there are pre-recorded video lessons on the VLE for the work you have missed on 'Blood Brothers'

Maths

What key learning do I need to revise?

We want to say a big well done to all of you for completing the Big Skills assessments in the final couple of weeks of term. Below is a list of the Big Skills for year 9, and some links to BBC Bitesize where you can have a look at what makes up each skill.

Averages

- Mean, Median, Mode and Range <https://www.bbc.co.uk/bitesize/guides/znhsqk7/revision/1>

Triangles

- Angles in Triangles <https://www.bbc.co.uk/bitesize/guides/zrck7ty/revision/1>
- Right-angled Triangles <https://www.bbc.co.uk/bitesize/topics/zdr9wmn/articles/zytc6yc>
- Pythagoras' Theorem <https://www.bbc.co.uk/bitesize/guides/z3g9q6f/revision/1>

Proportion

- Ratio and Proportion <https://www.bbc.co.uk/bitesize/guides/znyydm/revision/1>
- Scale Drawing <https://www.bbc.co.uk/bitesize/topics/z4vg9j6/articles/zqffmsg>

Fraction, decimals and percentages

- Fractions <https://www.bbc.co.uk/bitesize/topics/zsxhfg8/articles/zq7mb82>
- Simplifying Fractions <https://www.bbc.co.uk/bitesize/topics/zsxhfg8/articles/zy88b82>
- Add/Subtract Fractions <https://www.bbc.co.uk/bitesize/topics/zsxhfg8/articles/z4jg4qt>
- Multiplying Fractions <https://www.bbc.co.uk/bitesize/topics/znmtsbk/articles/zd6dqhv>
- Dividing Fractions <https://www.bbc.co.uk/bitesize/topics/zsxhfg8/articles/z78vgdm>
- Decimals <https://www.bbc.co.uk/bitesize/guides/z27xsbk/revision/1>
- Percentages <https://www.bbc.co.uk/bitesize/topics/zf6pyrd/articles/zcwmk2p>
- Percentage of an Amount <https://www.bbc.co.uk/bitesize/topics/zf6pyrd/articles/zqnhdxs>
- Percentage Increase <https://www.bbc.co.uk/bitesize/topics/zf6pyrd/articles/zpkcsrd>
- Percentage Decrease <https://www.bbc.co.uk/bitesize/topics/zf6pyrd/articles/zy7wgdm>

Probability

- Probability <https://www.bbc.co.uk/bitesize/guides/zk9dmp3/revision/1>
- Relative Frequency <https://www.bbc.co.uk/bitesize/guides/zjw7hyc/revision/1>

How can I get a head-start?

<https://sites.google.com/view/maths-department-woodchurchh/year-9>

If you consult the Maths Department Subject Site for year 9 you will see the following:

- Learning Objectives which you will study next year
- Exit Passes for each Learning Objective. You will complete these in class, but they are available for you online so that you can revise for your termly assessments. Use the summer to get ahead by having a go at these before you look at them in class.

Don't forget, you have also still got access to Hegarty Maths, and if you search for any of the key words on the Videos screen you will be able to find the relevant video.

Science

What key learning do I need to revise?

1. From your biology work on **cells**, draw a poster of an animal and a plant cell including:
 - a. Cell structure- the different sub-cellular structures and what their functions are.
 - b. Diffusion- how particles move by diffusion.
2. From your chemistry work on **solutions**, produce some flash cards for each key concept:
 - a. Solutions- how a solvent and solute combine to create a solution.
 - b. Separating solutions- how we use evaporation and distillation to separate solutions.
3. From your physics work on **forces**, produce a mind map showing:
 - a. Balanced and unbalanced forces- the effect each has on an object's motion.
 - b. Types of force- show examples of common forces such as gravity, friction and magnetic force.
4. The definitions and spellings of the following words:

Cell membrane, cell wall, mitochondria, cytoplasm, vacuole, nucleus, chloroplast, solution, solvent, solute, evaporation, distillation, balanced, unbalanced, gravity, friction, magnetism.

How can I get a head-start?

1. To prepare for the unit of work on **From cells to organ systems** you should research the structure of:
 - a. The digestive system.
 - b. The circulatory system.
 - c. The breathing system.
 - d. The skeleton and muscles.

<https://www.bbc.co.uk/bitesize/guides/z9hyvcw/revision/1>

2. To prepare for the unit of work on **Solubility** you should research:
 - a. How solubility differs for different substances at different temperatures.

<https://www.bbc.co.uk/bitesize/articles/zb9tpg8>

3. To prepare for the unit of work on **Moving by force** you should research:
 - a. How to describe speed using a distance-time graph.
 - b. Changing motion
 - c. Drag

<https://www.bbc.co.uk/bitesize/guides/zwwmxnb/revision/1>

PLCs and resources for all of these topics can be found on the Science Site (Woodchurch login access only) <https://sites.google.com/woodchurchhigh.com/science-new/year-9>

Art

What key learning do I need to know?

How can I get a head-start?

1. How do you draw a figure (person in full)? Create a poster that identifies the steps.
2. How can you experiment using different drawing techniques (blind drawing, continuous line drawing, non-dominant hand, negative space, positive space).
3. What is proportion, in relation to figures?
4. Research Antony Gormley? Who is he? What is he inspired by? How can you develop your figure drawings in the style of Antony Gormley? What key words would you use to describe his work? Research the types of art he produces and works on.
5. Visit the Antony Gormley 'Another Place' exhibition on Crosby beach and take some creative photos.

https://www.youtube.com/results?search_query=antony+gormley+another+place+

Engineering

What key learning do I need to revise?

- What is CAD (computer aided design)?
- How can CAD be used to design engineered products?
- How to use CAD SketchUp.

How can I get a head-start?

In year 9 you will be undertaking two projects. You will be investigating architecture and designing a modern house. You will also be designing and manufacturing an engineered product. Using CAD (computer aided design) will be crucial for both projects and is a necessity for engineers of today. To get a head start and a better understanding of the entire process of design and manufacture, complete the SketchUp tutorials below:

Tutorial 1 <https://sites.google.com/woodchurchhigh.com/engineering-ecad/sketch-up-tutorials/tutorial-1>

Tutorial 2 <https://sites.google.com/woodchurchhigh.com/engineering-ecad/sketch-up-tutorials/tutorial-2>

Tutorial 3 <https://sites.google.com/woodchurchhigh.com/engineering-ecad/sketch-up-tutorials/tutorial-3>

Tutorial 4 <https://sites.google.com/woodchurchhigh.com/engineering-ecad/sketch-up-tutorials/tutorial-4>

What else can I do:

To prepare for the architecture project, spend time researching modern architecture. You could look at the work of architects such as Frank Lloyd Wright and also the style of Modernism. Present your work as a presentation on Google Slides.

Food Technology

What key learning do I need to revise?

During Year 8 our focus was on sustainable eating habits.

- To recap, look at the website **Friends of the Earth**.
- In the search bar type '*What to eat food and the environment*'.
- This will take you to an interactive website packed with information about sustainable foods.
- Create a concept-map of all the key learning on this topic.

How can I get a head-start?

During Year 9 we will investigate the question 'How do we feed a crowd?'

To prepare you for your study, revisit any recipes you have made in year 8 and make them again at home. To develop your skills can you increase the volume of the recipe to feed your own family?

All the recipes can be found on:

<https://sites.google.com/woodchurchhigh.com/foodtechnologyecad/ks-3>

This will develop your practical skills. Remember that food hygiene is an integral element of cooking - so remember to do your own dishes and avoid using the dishwasher.

What else can I do:

Take part in the Woodchurch Summer Virtual Cooking Challenge. This has been emailed out to you and can also be found here:

<https://sites.google.com/woodchurchhigh.com/foodtechnologyecad/home/get-cooking-challenge>

This is a 6 week cooking challenge with a recipe challenge every week. Send the photographs of the dishes you make to: joannedutfield@woodchurchhigh.com

Drama

Which topic will we study first?

In September, the first thing you will study in your Drama lessons will be based around the concepts of War and Conflict!

What will we be doing?

We will consider key stimuli, including Wilfred Owen's poem, 'Dulce et Decorum Est', the 'Diary of Anne Frank' and the 9/11 terrorist attack to develop ideas for your own performances.

How can I get a head-start?

You can complete the tasks below to help you to get a head start in Year 9 Drama:

1. Research the poet, Wilfred Owen, and create a poster about his life.
2. Research World War One and Two and create a leaflet about them.
Use the following headings in your leaflet:
 - a. World War I – the beginning
 - b. Propaganda
 - c. Life on the western front
 - d. World War II – Hitler's Rise to Power
 - e. The Holocaust
3. Learn the definitions and spellings of the following skills:

Devising	Chair Duets	Cross-Cutting
Moving Image	Thought-Tracking	Body Language
Direct Address	Intention	Marionette
Naturalism	Split Staging	Stance

4. Create flashcards to help you to revisit these skills regularly throughout the summer.
5. Visit our subject site and watch some of the clips linked to this learning programme.
Following this, create a mind map with as many different ideas linked to War and Conflict as you possibly can. Use these video clips as inspiration for some of your ideas and as a starting point for further research!

Geography

What key learning do I need to revise?

Topic	TASK	Link
Biomes	Learn the names of the world major biomes and be able to give characteristics	https://www.bbc.co.uk/bitesize/guides/zh2p34j/revision/2
Food chains and webs	Learn the definitions of key terms: food chain, food web, producer, consumer	https://www.bbc.co.uk/bitesize/guides/zq4wjxs/revision/1
Tropical Rainforests	Be able to locate the tropical rainforest and describe the different layers	https://www.bbc.co.uk/bitesize/guides/zpmbn9q/revision/1
Rainforest adaptations	Be able to describe and explain the adaptations of both plants and animals in the rainforest.	https://www.bbc.co.uk/bitesize/guides/zpmbn9q/revision/3
Amazon Deforestation	Learn the causes of deforestation in the Amazon. Challenge: research how to manage rainforest deforestation levels	https://www.bbc.co.uk/bitesize/guides/zpmbn9q/revision/4
The Middle East	Learn the countries that Make up the Middle east and be able to locate them on a map	https://www.worldatlas.com/webimage/countrys/me.htm
Iraq	Create a timeline of the key evens in Iraq's recent history. Learn these key events	https://www.youtube.com/watch?v=AQPIREDW-Ro
China	Be able to locate china and identify key human and physical features	https://www.travelchinaguide.com/intro/geography/
Industry in China	Be able to describe the industry in China and how it is different to ours in the UK	https://www.theguardian.com/global-development/2019/aug/08/schoolchildren-in-china-work-overnight-to-produce-amazon-alexa-devices?CMP=share_btn_tw
Energy	Learn the difference between renewable and non-renewable energy and be able to give examples of each	https://www.bbc.co.uk/bitesize/guides/zh7hvcw/revision/1
Energy sources	Learn the advantages and disadvantages of the different renewable energy sources	https://www.bbc.co.uk/bitesize/guides/zh7hvcw/revision/3

How can I get a head-start?

Explore your Geography Year 9 Site here using this link:

<https://sites.google.com/woodchurchhigh.com/geographywoodchurch/year-9>

Use the two links below to access BBC Bitesize. Read the information pages, make your own revision notes and do the Bitesize tests.

- Coasts - <https://www.bbc.co.uk/bitesize/topics/zs3ptyc>
- Rivers - <https://www.bbc.co.uk/bitesize/topics/zpypgdm>

History

What key learning do I need to revise?

We will continue to tackle our current Big Question - *Should the British Empire be a source of national pride?* - beginning with a study of the Transatlantic Slave Trade.

How can I get a head-start?

Complete the tasks below to learn some key knowledge and prepare yourself for Year 9.

Using this [information booklet](#):

1. Use page 1 to make notes on the triangular trade, including details of the Outward Passage, the Middle Passage and the Homeward Passage.

2. Use page 2 to sort the ways in which people justified the slave trade:
 - a. Religion
 - b. Money
 - c. Beliefs and Values

3. Use the story of slave capture on page 3 to complete the table **for Equiano only**.

4. Use the sources on page 4 to learn about the conditions on the Middle Passage. For each source:
 - a. Write one thing that you learned.
 - b. Write down what has surprised or shocked you the most.

5. Then consider - which source is the most reliable (which do you trust the most)?

6. Read about slave auctions on pages 6 and 7 and use this information to write your own description of these auctions. You must include:
 - a. What they were
 - b. How they worked
 - c. What these auctions would look like
 - d. Branding
 - e. What happened to families

CHALLENGE: To get further ahead, use [BBC bitesize](#) to add to your notes.

Computing

- All summer work for Computing & Business can be found on the Computing & Business website.
- Simply log into the Computing & Business section and select summer work.
- We have placed the work into year group folders based on the year group you will be in **next year**.
- Below is a summary of the work to be completed

How can I get a head-start?

When you arrive back in September, you will have an introduction to Business Studies. In preparation for this, complete the stages of the induction project.

French

What key learning do I need to revise?

1. The key sound / spelling patterns in French.
<https://www.bbc.co.uk/bitesize/subjects/zgdqxn>
2. The present tense of regular ER verbs
<https://sites.google.com/woodchurchhigh.com/mfl/french/the-present-tense>
3. The present tense of the key irregular verbs: aller, avoir, être, faire
<https://sites.google.com/woodchurchhigh.com/mfl/french/irregular-present-tense>
4. The perfect tense of regular ER verbs
<https://sites.google.com/woodchurchhigh.com/mfl/french/the-perfect-tense>
5. The formation of the near future tense (Je vais & an infinitive)
<https://sites.google.com/woodchurchhigh.com/mfl/french/the-near-future-tense>
6. The interrogatives (the 'question words')
<https://quizlet.com/gb/255030206/gcse-french-asking-questions-flash-cards/>

How can I get a head-start?

1. Use the google site to revise the first topic 'On fait la fête' from Year 9 using the MFL google site:
<https://sites.google.com/woodchurchhigh.com/mfl/french/unit-1-on-fait-la-f%C3%AAt>
2. Research three countries other than France where French is spoken as a first language. Produce an article for a school magazine about each. You should include details on:
 - Where the country is
 - The climate
 - Size of population
 - Information on the capital city
 - Places of interest
3. Research the following festivals and celebrations and produce a short paragraph on each in English:
 - a) Le 14 juillet
 - b) The Cannes film festival
 - c) Le Carnaval de Nice
4. Use BBC Bitesize to revise the topic 'Customs and Festivals'.
<https://www.bbc.co.uk/bitesize/topics/zkkgxyc>

Spanish

What key learning do I need to revise?

1. The key sound / spelling patterns in Spanish.
<https://www.bbc.co.uk/bitesize/topics/zhy27nb/articles/zk78382>
2. The present tense of regular AR and ER verbs
<https://sites.google.com/woodchurchhigh.com/mfl/spanish/the-present>
3. The present tense of the key irregular verbs: *hacer, ir, ser, tener*
<https://www.bbc.co.uk/bitesize/guides/z7kgjyv/revision/4>
4. The preterite tense of regular AR and ER verbs
<https://sites.google.com/woodchurchhigh.com/mfl/spanish/the-preterite>
5. The formation of the near future tense (*Voy a* & an infinitive)
<https://sites.google.com/woodchurchhigh.com/mfl/spanish/the-future>
6. The interrogatives (the 'question words')
<https://quizlet.com/gb/575511329/common-questions-flash-cards/>

How can I get a head-start?

1. Use the google site to revise the first topic 'Salud y Bienestar' from Year 9 using the MFL google site:
<https://sites.google.com/woodchurchhigh.com/mfl/spanish/unit-1-salud-y-bienestar>
2. Find recipes for:
 - Paella
 - Gazpacho
3. Research 10 tapas dishes in Spanish.
4. Watch the BBC Bitesize clip 'Talking about food in Spanish' and then complete the video comprehension exercise and the quiz.
<https://www.bbc.co.uk/bitesize/topics/zfgt6v4/articles/zbw4f4j>
5. Use BBC Bitesize to revise the topic 'Food and Eating Out'.
<https://www.bbc.co.uk/bitesize/guides/zr8c7nb/revision/1>
6. Use Quizlet.com to revise key vocabulary about food.
<https://quizlet.com/gb/575126298/free-time-activities-food-3-flash-cards/>
<https://quizlet.com/gb/575129458/free-time-activities-food-4-flash-cards/>

Religious Studies

What key learning do I need to revise?

Log on to our subject site:

<https://sites.google.com/woodchurchhigh.com/rswoodchurch/year-8/faith-in-action>

- **Task:** Listen to each of the asynchronous (recorded) lessons on Faith in Action. Whilst watching/listening to each lesson, create concept maps, flashcards or condensed notes for each of the sub-topics.

How can I get a head-start?

Log on to our subject site:

<https://sites.google.com/woodchurchhigh.com/rswoodchurch/year-9/the-environment>

- **Task:** Listen to the asynchronous (recorded) lessons 1,2,4 and 8. Create flashcards, concept maps or condensed notes regarding these environmental issues and Christian and Humanist responses to them.

What key learning do I need to revise?

- Describe Public Health in Wirral.
- What are the priorities to help Wirral become a healthier place to live?
- What is Consent?
- What is DELAY?
- What are the consequences of sexual activity?
- What is the difference between a stimulant and a depressant?
- What is the law regarding legal and illegal substances?

How can I get a Head Start?

Go to the PSHCE Site; [PSHCE Learning Site](#) - click on the different buttons for information on all of your new and exciting topics.

- 1. We will be looking at relationships again this year, but...from a more mature perspective.**
 - Watch the clip:
 - <https://www.youtube.com/watch?v=uuypCo1cj30>
 - Write a speech explaining the three myths behind sexual assault.

- 2. We will be looking at Sexual Health.**
 - Watch this clip: <https://www.youtube.com/watch?v=llnXtPZOazM>
 - **Create an information pamphlet covering the following:**
 - a) What is a STI?
 - b) How do you get an STI?
 - c) What different types of STI are out there?
 - d) What happens if I get an STI?
 - e) Where can I go for help if I have an STI?

- 3. We will also be looking at methods of contraception.**
 - Investigate the NHS website.
 - Create a mind-map on the different methods of contraception. Explain the advantages and disadvantages of each.