

Woodchurch High School

Summer Learning Pack



 THE CHURCH
OF ENGLAND
Diocese of Chester

to support and prepare you for

Year 7

Introduction

This pack contains pre-learning tasks to help you to get a head-start in your lessons over the summer break.

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

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

We recommend that you complete one task for each subject per week.

You can pass any completed work to your new subject teachers in the first week back and your reward will be feeling better and stronger in lessons.

Good luck!

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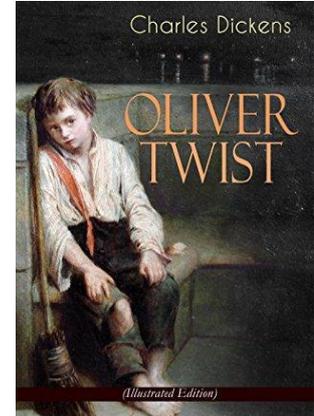
English

Which topic will we study first?

In September, the first thing you will be reading and learning about is 'Oliver Twist' by Charles Dickens.

What will we be doing?

We will read this novel together, as a class, and we will be looking at what life was like for Oliver Twist – and real people – during the Victorian Times.



How can I get a head-start?

You can watch the 'Introduction to English' video lesson on our website and complete the following tasks.

1. Research the author, Charles Dickens, and create a poster about his life.
2. Research the Victorian Times and create a leaflet about them.

Focus on the following areas and include these in your leaflet:

- a. London and the Industrial Revolution
- b. The Poor Law of 1834 and Workhouses
- c. The Victorian idea of Family
- d. Education and Childhood
- e. Crime and 'Street Life'

3. Learn the definitions and spellings of the following words

Identity	Hope	Acceptance
Society	Respect	Empathy
Circumstance	Loyalty	Trust
Resilience	Compassion	Endurance

4. Write about an example of when you have shown the qualities in bold above.
5. Describe your last day at primary school in 3 paragraphs – these challenges apply:

- a. you are not allowed to use the word 'I'
- b. you must use ambitious vocabulary (use a thesaurus)
- c. you must have a variety of punctuation
- d. you must not use peoples' names
- e. you must not write a story – use descriptive techniques such as the 5 senses

Maths

Which topic will we study first, and how can I get a head-start??

We are looking forward to having you join us in September. At Woodchurch, we operate a Big Skills curriculum where you will study lots of different topics which are all linked together under a common theme. In year 7, you will study Number Lines, Converting Units, Graphing Skills, Bar Models and Fractions. Below are links to BBC Bitesize where you can get an idea of the work that we will be covering in year 7.

Number Lines

- Number Lines <https://www.bbc.co.uk/bitesize/topics/zc3d7ty/articles/zdhdqhv>
- Multiplication <https://www.bbc.co.uk/bitesize/topics/zc3d7ty/articles/zfbhsrd>
- Estimating <https://www.bbc.co.uk/bitesize/topics/zmdqxn/articles/zj66pbk>
- Estimating and calculating <https://www.bbc.co.uk/bitesize/topics/zmdqxn/articles/z4rpfcw>
- Negative Numbers <https://www.bbc.co.uk/bitesize/topics/zp26n39>

Converting Units

- Converting Units <https://www.bbc.co.uk/bitesize/topics/z4vg9j6/articles/zy6n7p3>
- Time <https://www.bbc.co.uk/bitesize/guides/z3rk7ty/revision/1>
- Place Value: <https://www.bbc.co.uk/bitesize/topics/zc3d7ty>

Graphing Skills

- Coordinates <https://www.bbc.co.uk/bitesize/topics/zdbc87h/articles/zvmtv4>
- Distance Time Graphs <https://www.bbc.co.uk/bitesize/topics/zdbc87h/articles/znghsrd>
- Representing Data <https://www.bbc.co.uk/bitesize/guides/zrg4jxs/revision/2>

The Bar Model

- Bar Modelling <https://www.bbc.co.uk/bitesize/topics/z83rkqt/articles/zv7r97h>
- Multiplication <https://www.bbc.co.uk/bitesize/topics/znmtsbk/articles/zmm9dxs>
- Division <https://www.bbc.co.uk/bitesize/topics/znmtsbk/articles/zv4sv9q>
- Problem Solving <https://www.bbc.co.uk/bitesize/topics/znmtsbk/articles/zfv6pbk>
- Money <https://www.bbc.co.uk/bitesize/topics/znmtsbk/articles/z2jqci6>

Fractions

- 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>

Science

Which topic will we study first?

In September, we will begin by building on 'working scientifically' skills that you know from primary school.



What will we be doing?

We will be planning different investigations, then we will use scientific apparatus to collect results which we will display as tables and graphs before presenting our findings in conclusions.

How can I get a head-start?

Begin to think like a scientist by completing one or more of these challenges. More information, with videos and challenge cards can be found at

<https://www.jamesdysonfoundation.com/resources/challenge-cards.html>

1. Balloon car race- Make and race a balloon-powered car using just a balloon, a plastic cup, straws, thread and rubber bands.
2. Spaghetti bridges- Can you build a spaghetti bridge that's strong enough to hold a bag of sugar?
3. Marble run- Cardboard. Sticky tape. Marbles. Can you build a run that keeps the marble going for at least a minute?
4. Cardboard chair- This challenge focuses on the principles of design and structure. Can you design and build a chair from cardboard, that's strong enough to support your weight?
5. Make a periscope- Can you turn a shoebox into an ingenious device for seeing around corners?
6. Cardboard boat- This challenge will test your design and invention skills. Can you design and build a boat from cardboard that's strong enough to float, even with a weight on board?

When you've completed a challenge, take a photo or video of your design (not of you) and email it to Mr Philcock the Curriculum Leader for Science at

ian.philcock@woodchurchhigh.com

Art

Which topic will we study first?

Colour theory and Indian Art

What will we be doing?

You will be studying colour theory and the relationship of symbolism in colours, which then leads onto Indian Art. We look at pattern within Henna designs and build upon your drawing and shading skills. This is all pulled together in a final outcome which is celebrated in a display and some pieces get chosen to be displayed in the Williamson Art Gallery!

How can I get a head-start?

What is colour theory?

1. Produce a colour wheel, ensuring colours are in the correct order.
2. What are the primary and secondary colours?
3. List the cold and warm colours.
4. Can you show a variety of shading techniques?
5. Can you gather images of Indian art/ henna patterns?
6. Can you explain colour symbolism within the Hindu culture?

Watch and read the following to explain colour theory...

<https://www.interaction-design.org/literature/topics/color-theory>

<https://www.hinduscriptures.com/vedic-culture/symbols/colour-symbolism-in-hinduism/24308/>

Design Technology

Which topic will we study first?

During the year, you will experience three different areas of Design Technology; 3D Design, Engineering and Hospitality, rotating each term until you cover all three areas.

What will we be doing?

Tasks will be practical in nature, you will be learning how to work with a variety of materials such as clay, plastic, metal and a range of ingredients. You will learn how to work safely in a workshop and kitchen and use a variety of equipment with confidence, learning techniques and skills which will build a foundation for future years.

How can I get a head-start?

Task 1

Research all about clay, where it comes from, what you can make, how to work with it. Produce your research in a poster or information leaflet.

Task 2

Produce a poster on Anders Arhoj – describing who he is, what he designs, and what you think of his work.

Task 3

Draw a picture of each of the following hand tools:

Engineers square, steel rule, centre punch, ball pein hammer.

Task 4

There are many different types of Engineer, find out what the following Engineers do:

Mechanical Engineer, Structural Engineer, Energy Engineer, Electrical Engineer.

Food Technology

What will we be doing?

In Food Technology you will experience using equipment and making dishes following a recipe.

How can I get a head-start?

Week 1: Investigate and label the equipment below

Week 2: Use the recipe sheet to help you to make a cup of tea for someone who looks after you.



How To Make A Cup Of Tea

Fill the kettle with water from the cold tap.

Switch the kettle on and leave it until the water boils.

Put a teabag in a mug.

Pour boiled water over the teabag.

Leave the tea to stew for a minute.

Remove the teabag with a spoon.

Add milk and sugar if required and stir with a teaspoon.



Drama

Which topic will we study first?

In September, the first thing you will learn about in Drama is the origin of theatre – where it came from! We will look at theatre from Ancient Greece to 16th century Italy and Shakespearean England, to learn all about the different styles of theatre.

What will we be doing?

We will consider big moments in theatre history and experiment with our acting skills and bring to life our own styled performances.

How can I get a head-start?

You can complete the tasks below to help you to get a head-start in Year 7 Drama. You can use the Year 7 page on our subject site to help you find some of this information!

1. Research the following types of theatre and create a poster summarising each of them.

Use the following headings in your leaflet:

- a. Ancient Greek Theatre
- b. Commedia Dell'Arte
- c. Shakespearean Theatre
- d. Slapstick Comedy

2. Learn the definitions and spellings of the following skills

Still Image	Mime	Narration
Gesture	Tone	Facial Expression
Theatre	Conventions	Dialogue
Script	Character	Language

3. This year will be the first time you have experienced a Drama lesson at Woodchurch. Share your responses to the following questions:
 - a. What does the word Drama mean to you?
 - b. What is your experience of Drama? Have you participated in any before?
 - c. What are you most looking forward to about the subject?
 - d. Is there anything you are nervous about? If so, what?
 - e. If you could ask one question about Drama, what would it be?

History

Which topic will we study first?

The first big question we will answer is *Why did William win the Battle of Hastings?*

The Battle of Hastings in 1066 was a watershed moment in the history of Britain.



What will we be doing?

We will be finding out why a number of people believed that they should be the next King of England when Edward the Confessor died without children. We will study the clashes between these men, and the reasons why William won the Battle of Hastings.

How can I get a head-start?

Over the course of this year, we will be developing a number of historical skills, including using sources and understanding chronology.

Complete the work in [this document](#) to get a head start on how these skills apply to this subject.

ICT (Information and Communications Technology)

Which topic will we study first?

The first topic we will study is 'How To Stay Safe Online'. We will investigate how to use hardware and software safely as well as what to do in different situations.

What will we be doing?

We will also look at spreadsheets and programming during year 7. To help us see what you already know about computing, we would like you to complete the Head-start tasks below.

How can I get a head-start?

To get a head-start, copy the Web address below or search for BBC bitesize e-safety. Read through the information on the pages and create a poster to teach year 7 students how to stay safe. This can be done on paper if a computer is not available. Also complete the quiz which is on the page.

<https://www.bbc.co.uk/bitesize/guides/zrtrd2p/revision/1>



MFL (Modern Foreign Languages)

Which topic will we study first?

In September, the first things you will be learning are how to:

- Pronounce words in French / Spanish
- Memorise new vocabulary
- Talk about yourself and others
- Use 'cognates' to help understand texts



What will we be doing?

We will be learning that, without perhaps realising it, we already know a lot of French/Spanish words, we just need to practise saying them and learning new vocabulary so that we can quickly form sentences and have short conversations.

How can I get a head-start?

1. Research the countries where French / Spanish is spoken as a first language.
2. Choose two of these countries, find out 10 interesting facts about them and turn this information into a poster or a leaflet on each.
3. Learn the definitions for a verb, noun and adjective and then give five examples of each in English.
4. Find a relative or friend who can speak another language or who remembers some phrases from when they were taught in school. Get them to teach you at least 5 words or, preferably, phrases. Make a note of them, both in English and the other language. Practise saying them until you can say them from memory.
5. Find out the meaning of the term 'cognate' and then find 10 examples in French / Spanish
6. Learn the numbers 1-20 in:

Spanish <https://www.youtube.com/watch?v=C58QilFeKow>

French <https://www.youtube.com/watch?v=UsEz58Bb>

Religious Studies

Which topic will we study first?

Christianity – we will be looking at what Christians believe and how their faith impacts on their lives.

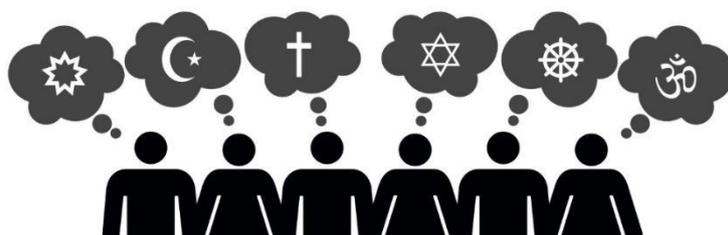
What will we be doing?

We will be finding out what Christians believe about God and other important issues, such as how the world began and what happens when we die. We will also be learning how Christians put their faith into practice, how they worship, what special occasions they celebrate and how and why they celebrate them. We will be focusing on the two key skills in RS which are knowledge and understanding and evaluation.

How can I get a head-start?

Firstly, log on to: [BBC Bitesize-KS3-Religious Studies-Christianity-Beliefs-Key facts about Christianity](#). Then complete the following tasks:

- **Task 1:** Watch the video, write down 5 things Jonnie believes as a Christian
- **Task 2:** Read the information on each section of the 'What do Christians believe and how do they worship'. Create a mind-map writing no more than three bullet points on each section
- **Task 3:** Look at the diagram 'Inside a Church' read the information on each section
- **Task 4:** Either create your own labelled diagram of a Church or create a leaflet explaining each section of a Church
- **Task 5:** Read the information about the Trinity. Draw and label your own diagram to show you understand what the trinity is
- **Task 6:** Complete the quiz



PSCHE

What will we be doing?

In Year 7 we will study the importance of PSHE, healthy relationships and online safety.

How can I get a head-start?

Task 1

Log onto this webpage

<https://www.youtube.com/watch?v=qr3AqXVbgVg> (Or type into google *What is PSHE?*)

- Watch the video and create a poster which explains what PSHE is.



Task 2

Explain why you think it is important to participate in PSHE in secondary school?

Task 3

Conduct your own research. What is online safety? What are the possible consequences of NOT being safe online?

Task 4

Log onto BBC Bitesize and research how to stay safe online. Create a leaflet explaining **HOW** to stay safe online and **WHY** it is important to stay safe online.



Task 5

Conduct your own research; find out what our **'Digital Footprint'** is. Write a letter to a friend explaining to them why it is important to monitor your digital footprint.

Task 6:

Watch the two clips:

1. https://www.youtube.com/watch?v=6ctd75a7_Yw
2. https://www.youtube.com/watch?v=Jwu_7lqWh8Y

Create a **mind map** answering both questions.

1. What is cyberbullying?
2. How to beat cyberbullying?

