

# Step up to Year 9 Summer Booklet



Wyvern St Edmund's  
Learning Campus

## Optional Tasks

FOR STUDENTS STARTING YEAR 9 IN SEPTEMBER 2020

Dear Year 9 Student,

We hope that you're as excited as we are about being at school in September. We cannot wait to have you back!

In the meantime, we want you to have a brilliant Summer holiday doing lots of the things you enjoy. It's really important to have a break, enjoy getting outdoors and see your family and friends if that's possible.

We thought you might also want to find out what you'll be learning in September and perhaps you might want to spend some time doing a little bit of work to help get ready for year 9 at Wyvern St Edmund's.

We've asked your new teachers to put together this booklet to help you prepare for year 9. It's filled with **optional** tasks that will give you a great foundation for your learning next year but it's entirely up to you how many of the tasks you do – none, some or lots!

What is most important is that you get time to relax and have fun. So, there's no pressure to complete the tasks, but just in case you wanted to do some work, or feel a bit bored over the holidays, these tasks will give you some insight and some extra knowledge about the year ahead at Wyvern St Edmund's.

Don't forget to bring any work that you complete in with you on your first day and remember to keep smiling!

See you in September,

The Teachers at Wyvern St Edmund's

# Contents

There's a page for each subject you'll be studying next year which tells you what you'll be learning in September in that subject and two or three optional tasks you might want to do this Summer.

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# Art and Design

## What will we be doing in September?

We're going to be continuing to develop your Art skills through exciting projects. You will be collecting resources from the world around you and using these to refining your 2D and 3D abilities. You will be producing a lot more artwork independently in this year, choosing themes and starting points based on yourself and your interests!

## Optional Task

Record your summer through Art! Consider landscapes, views, objects that you see throughout the weeks and record them with a range of medium available to you, such as:

- Pencil
- Pen
- Paint
- Chalk
- Collage (newspaper, magazines etc)
- Photography etc.

Other things you might experiment with:

- Paper size
- Paper colour
- Mixing mediums in single outcomes
- Using photographs taken to create outcomes

## Examples



# Computer Science

## What will we be doing in September?

Learning the fundamental concepts and constructs of programming, so you can design games and APPs.

### Optional Task 1

Discover your hidden talent for cyber security with over 200 free challenges

Join the community of over 70k 13-18 year olds training to become the next leaders in cyber security by playing a vast online training game.

<https://hub.joincyberdiscovery.com/sign-up/student>

### Optional Task 2

Earn badges at <https://idea.org.uk/>

The Inspiring Digital Enterprise Award, known as iDEA, is an international programme that helps you develop and demonstrate your digital, enterprise and employability skills for free. 600.000 have already enrolled. Don't miss out!

Badges are bite-size challenges that help you learn digital and enterprise skills

Badges are designed to help set you up for success in the world of work

Doing badges earns you points towards your Bronze, Silver or Gold Award which you can add to your CV.

You need to pick up 250 points to win the Bronze Award.

These points must include 50 from each of these categories:

Citizen, Worker, Maker, Entrepreneur

# Dance

## What will we be doing in September?

We're going to be building on your confidence through a range of creative dance tasks.

### Optional Task 1

Select a dance style from the list below and complete a research project based on the chosen dance style (learn key movements of the style, create posters, create PowerPoints, create a presentation for your families/carers, create a performance).

Answer the following questions to support this project:

- What is your chosen dance style?
- Could you explain the dance style to someone who has never seen it before?
- Facts on the dance style, *for example, how did the dance style Street become popular? What influences have made Street become popular? What are the key dancers of the style Street?*
- Research on the dance style
- Key actions
- Any YouTube clips you have watched

Styles (*You can pick another style even if it is not listed...*)

- Contemporary
- Street dance
- Ballet
- Tap
- Tango
- Lindy hop
- Jazz
- Musical Theatre
- Parkour

### Optional Task 2

Watch "The Greatest Dancer" series on BBC iPlayer

<https://www.bbc.co.uk/iplayer/episodes/p06tvw90/the-greatest-dancer>

### Optional Task 3

Watch a range of "So You Think You Can Dance" clips on YouTube.

[https://www.youtube.com/watch?v=zWvBdC\\_DkaM&list=PLnVoC5UywNhPfkCYKDwzF21Jw46FPdJMN](https://www.youtube.com/watch?v=zWvBdC_DkaM&list=PLnVoC5UywNhPfkCYKDwzF21Jw46FPdJMN)

# Design and Technology

## What will we be doing in September?

**DT:** Product Design – creating a wooden photo frame with additional components added by design on 2d design using the laser cutter.

**Textiles:** You will be upcycling an unwanted textile item into a bag for life.

**Catering:** You will be cooking a series of protein dishes including Meat, Fish & Soya to develop your presentation and food preparation skills. You will be learning about the legislation that a catering establishment is expected to follow including personal hygiene, food safety, employment law and the role of the environmental health officer.

## Optional Task 1

Millions of school children in South Africa walk long distances to and from school on a daily basis. Once they return home, many of them are unable to study at night due to the absence of secure light sources. Repurpose schoolbags are satchels that are recycled from plastic bags. They contain solar panels which are charged during the day, as millions of students walk to and from school every day. The energy stored in the bag can be used as a source of light for children, making study at night possible.

Have a look at their project here: [Repurpose Schoolbags](#)

## Optional Task 2

We hear music all the time. Most of our music is on our phones, so we can easily turn on something to listen to while doing dishes, when we're outside playing, while showering and getting ready, etc. However, even though the sound on our phones is pretty good.....it can only get so loud. Eat pringles? Could you make a DIY passive amp from an empty pringles can? Follow the link below. Adult supervision may be required.

<https://mashable.com/2012/10/22/diy-pringles-can-speaker/?europa=true>

## Optional Task 3

Inside the factory – useful for understanding how foods are processed from raw materials to finished outcomes. Lots of episodes on Youtube.

[https://www.youtube.com/results?search\\_query=inside+the+factory](https://www.youtube.com/results?search_query=inside+the+factory)

# Drama

## What will we be doing in September?

We're going to be looking at some different styles of drama from naturalistic to docu-drama and theatre in education. We are going to explore different ways of putting stories together for an audience and revisiting those skills that you have done before to help you! There will be lots of space for creative ideas and hopefully teaching your peers something new!

### Optional Task 1

Write a speech as your favourite character from a TV series or a film for performance. Imagine they are stuck somewhere and trying to find a way out.... rehearse the speech and perform to family members or film it. Consider the character's voice and their body language in your performance.

### Optional Task 2

Research your favourite dramatist/playwright. If you are not sure of any there is a selection below:

- William Shakespeare
- Harold Pinter
- Alan Ayckbourn
- Timberlake Wertenbaker
- Danai Gurira
- Peter Brooke
- Caryl Churchill

Create a fact sheet/ knowledge organiser about them and include: personal details (DOB, where they are from etc.), how many plays they have written and the names of them, famous quotes from their plays, where have they been performed, what style of theatre they write for, their most famous play etc – whatever information you can find out!

### Optional Task 3

Write the first scene for a play entitled 'Lockdown' – focussing on a group of characters who are forced to spending lockdown with each other. Do they get along? What happens to their relationships as lock down continues? Are there any significant events that happen? In your scripts you must include: stage directions that includes information about characters, locations, costume, dialogue between the characters and a surprising event.



# English

## What will we be doing in September?

We're going to be studying one of the most famous Gothic horror novels: 'Dracula' by Bram Stoker. It's a book that established many of the vampire fantasy conventions you'll know from films and later books: vampires' ability to shape shift, having no reflection in a mirror and being killed by having a wooden stake thrust into their heart.

You'll be building on the work you've been doing during lockdown on the Gothic genre and continuing to write for a variety of purposes, audiences and purposes. We've loved reading your brilliant Gothic stories!

### Optional Task 1

Research some of the things that inspired and influenced Stoker's story. You could create a fact sheet or mindmap – present the information however you like. Here's some ideas for things you could research:

- Who was Vlad the Impaler?
- Before writing the novel, Stoker spent a long time researching European folklore and stories about vampires. What can you find out about what people believed about vampires?
- What can you find out about the 'invasion literature' genre?
- What can you find out about women in the Victorian period? What does 'Angel in the House' mean?

### Optional Task 2

Read the short story 'Dracula's Guest'. It was originally a chapter in the novel but was cut to reduce the length of the book. It is about Jonathan Harker, the main character in 'Dracula', in Munich before he travels to Transylvania.

You can read it for free, here: <http://www.gutenberg.org/files/10150/10150-h/10150-h.htm>

### Optional Task 3

Write your own vampire short story set in 2020. Use what you've learnt about the Gothic genre and story writing to bring the vampire genre right up to date. Remember, you're the writer so you can make up your own rules about vampires can and can't do. We'd love some vampire short stories to read in September!

# French

## What will we be doing in September?

We're going to be talking about where we live. We will learn lots of new vocabulary and practise using the future tense.

### Optional Task 1

Vocabulary is a really important part of feeling confident in using your French. Over the summer you could continue to use [www.memrise.com](http://www.memrise.com) to consolidate vocabulary we have already learnt and to learn new vocabulary.

[Please note you do NOT have to pay for memrise – it may try and prompt you, but the free version is the best to use]

### Optional Task 2

Why not log on to [www.language-gym.com](http://www.language-gym.com)? This has a variety of activities that will help you to revise and practise both your vocabulary AND grammar. You should have signed up to Language Gym over the last few weeks. In 'The Games Room' you can select a variety of different activities; from verb trainers to boxing or climbing games.

[Please note that The Language Gym will not work during the last week of the school holiday, due to a change in server]

### Optional Task 3

The Language Immersion challenge is a great way to practise your language skills in other contexts...and depending on how many tasks you complete, you could end up with either a bronze, silver or gold certificate. The challenge booklet is available on the school website. You will need to either print a copy of the booklet or complete it online and be ready to email it to us in September.

# Geography

## What will we be doing in September?

We're going to be starting with the topic of Tectonics, which covers the Earth's plates, earthquakes and volcanoes.

### Optional Task 1

Look into the New Zealand volcanic eruption of 2019 under the headings of social, environmental and economic impacts

### Optional Task 2

You have had a taster of this already - get to know more countries, capitals, oceans, continents and much more – 2 possible sites:

<https://www.jetpunk.com/quizzes/how-many-countries-can-you-name>

<https://online.seterra.com>

### Optional Task 3

Wider Geography is a free, new project developed by Internet Geography to encourage young people to engage in Geography in a fun way. Wider Geography aims to foster a love of Geography through challenging young people to try new experiences that will broaden their geographical horizons. Through its six themes, Wider Geography has something for geographers from primary age to 6th form. The 6 main themes are:

- [wider READING](#)
- [wider LISTENING](#)
- [wider WATCHING](#)
- [wider LEARNING](#)
- [wider TECHNOLOGY](#)
- [wider EXPLORING](#)

Each theme recommends activities for you to try out.

### Wider Geography Summer Challenge

Internet Geography has launched the Wider Geography Summer Challenge. We are inviting Wyvern St Edmunds students to participate in the Wider Geography Summer Challenge. The challenge involves students experiencing a range of Wider Geography activities over the summer holidays. Record your experiences on the table on the back of the [wider GEOGRAPHY Summer Challenge flyer](#). You can then [submit a 400-word overview of their experience of the Wider Geography Summer Challenge](#). Three winners will be chosen from the submissions. Each winner will receive prizes including a £30 Amazon voucher.

# History

## What will we be doing in September?

We're going to be starting our study of twentieth century history. If you think a lot has happened in 2020, you wait until you study the twentieth century! Hardly a year went by without a monumental event!

We start by studying Britain at the beginning of the century. What was the country like? Who lived there? Who was in charge? What kind of place was it to live in? We then study the First World War and its impact on Britain and the wider world. After that we move onto learning about America in the 1920s, Germany and the USSR in the 1920s and 30s, and finally World War II and the Holocaust. It's a lot to pack in to a year but by July 2021 you'll be acutely aware of the events of the twentieth century and their impact on the world we live in today.

## Optional Task 1

Search the following online 'RMG RMS Titanic facts'. Click on the top link. Read through the facts and figures about the Titanic. Write a report which includes the following: When did Titanic sink? Why did Titanic sink? How many passengers were on board? How many crew? How many passengers and crew survived? How many passengers and crew died? How did Titanic sink?

If you're inspired to do more, research the numbers of passengers who lived and died by their class of travel (first, second, third). Which class suffered the highest number of casualties? What does this make you think about wealth, power and status in the early 20<sup>th</sup> century?

## Optional Task 2

Read one of the following novels and write a short book report giving your thoughts and feelings about what you have read.

- Private Peaceful – Michael Morpurgo  
*The story of three brothers, Thomas, Joe and Charlie Peaceful, Private Peaceful charts their childhood, adolescence and their eventual involvement in WWI.*
- Line of Fire: Diary of an Unknown Soldier  
*A graphic novel telling the story of an unknown French soldier's experiences of war. Through striking black and white imagery the true horror of war is brought home.*
- The Foreshadowing – Marcus Sedgwick  
*Sasha Fox is a 17yr old girl living in England in 1915. She has a premonition that her brother Tom will be killed in a future battle (the Battle of the Somme) and sets out to rescue him and prevent his death).*

# Maths

## What will we be doing in September?

We're going to be looking at how to manipulate numbers efficiently. This includes recapping at how work to work with fractions and decimals as well and building up our knowledge of index laws to include negative and fractional indices.

Here is a question to get you thinking: Using the digits 0 to 9 at most one each time, fill in the boxes to make a true statement.

$$\frac{\square}{\square} \times \frac{\square}{\square} = \square \frac{\square}{\square}$$

### Optional Task 1

Circles are interesting shapes, they are not polygons (not constructed from straight edges) and they have many features. Using the Circle knowledge organiser attached learn all the different features of a circle and the key formula. Focus on "Parts of a Circle", "Key Vocabulary" and the first 2 formulae under "Circles".

### Optional Task 2

In World War 2, the fighting countries sent each other coded messages. One of the most important jobs in the war was trying to decode those messages so that we could tell British soldiers where there would be attacks. The British Government employed mathematicians to work at Bletchly Park to try and decode these messages. Engineers and Mathematicians worked together to create the Enigma Machine to decode messages.

Your task is to research a type of code and write a message for someone else to decipher. The link below should give you some ideas (Pigpen is a fun code to work with)

<https://crypto.interactive-maths.com/downloadable-resources.html>

### Optional Task 3

Your Hegarty account will remain active throughout the holidays. You can carry on with any topics that we have already started. Is there a topic you particularly enjoyed or need to practise further? Maybe there is a topic that you wish to extend – the choice is yours!

# Music

## What will we be doing in September?

We're going to be looking at one of the most inspirational pop bands of the 20<sup>th</sup> century. The Beatles changed the way British pop music was viewed across the world. You will listen to their songs and play some of their pieces as well as find out what it takes to become one of the greatest bands of all time.

### Optional Task 1

Who are the Beatles? See what you can research about the Beatles. Listen to some of their songs and have a think about why we learn about a teenage boy band from the 1960s. Perhaps play some of the pieces to your parents/grandparents and see what they make of the music. You never know someone in your family may have had the chance to see them perform live! We would love to hear their stories.

### Optional Task 2

Write a pop song of your own. Create yourself a set of lyrics and then see if you can make up a melody to go with it. If you have a keyboard, guitar or ukulele at home you might even be able to add some chords. We would love to hear some of these when we get back to school.

### Optional Task 3

Interview someone in your family about their favourite music. Is your Granny a secret heavy metal fan or is your Uncle into classical music? Everyone is different and we all enjoy different music. Ask them to play you something they enjoy and discuss it together. Play them something you like to listen to and explain to them why you enjoy it. Have a friendly debate with your family about musical choices.

# Physical Education

## What will we be doing in September?

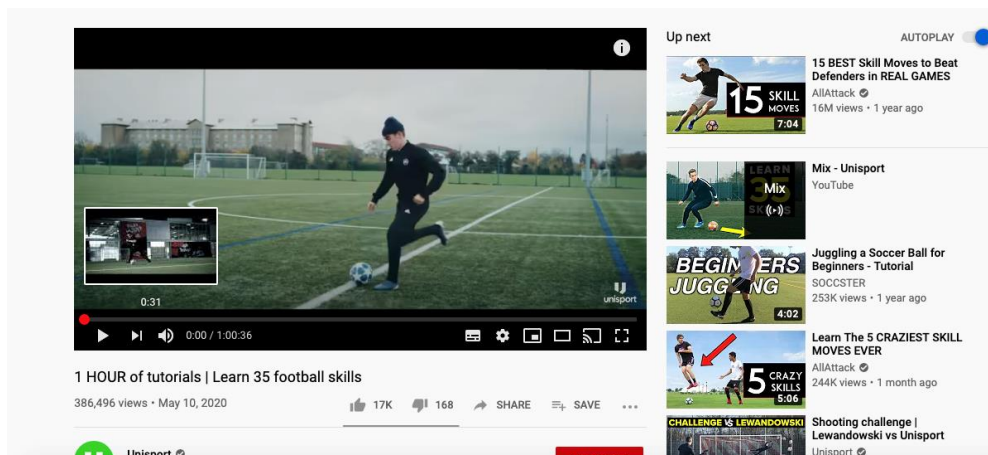
We will be looking at how you can improve your performances in sports through practice and mental strength under pressure. Lots of focus on what makes a good attitude in sport and Physical Education. These include the winning mentality, always trying your personal best, fair play, encouraging others and sportsmanship. Below are some documentaries you can watch which show this in good practice from very successful athletes and sports teams (please make sure you check rating before you watch or ask parent/carers permission).

### Optional Task 1

Create a small skill practice that you could do with your fellow pupils. Choose what sport your skill practice is for (e.g. football dribbling) then you can draw out a diagram of how you are going to run the activity. Also include what 'Teaching points' you want to learn from the drill.

### Optional Task 2

Watch some examples of skill practice drills on 'YouTube'. There are 100s you can find in order to gain some ideas.



# PSHE

## What will we be doing in September?

We're going to be learning about substance abuse and the effects it can have on young people and mental wellbeing. We will be discussing friendships and keeping ourselves healthy and safe in relationships.

### Optional Task 1

Covid-19 is a global pandemic that has seen a collective response from nations around the world. It is impacting all members of society, with many at the forefront of the fight against the pandemic. Create a poster or Info-graph that highlights key facts and information about how to look after health and wellbeing and have a positive growth mindset.

### Optional Task 2

In PSHE we discuss politics a lot, have a look at this: Houses of Parliament Virtual Tour

Take a virtual school trip around the historic Houses of Parliament. The virtual tour gives a close-up view of famous rooms, halls and lobbies, including the House of Commons and House of Lords chambers.

<https://www.parliament.uk/visiting/virtualtour/>

### Optional Task 3

Have a look at some of these websites over the summer:

<https://youngminds.org.uk/>

<http://www.ukyouthparliament.org.uk/> (In case this has inspired you to become a budding politician!)

<https://www.childline.org.uk>

<https://riseabove.org.uk/article/life-swap-dealing-with-change/>

<https://www.saferinternet.org.uk/advice-centre/young-people/resources-11-19s>

Romantic relationships – <https://www.bbc.co.uk/bitesize/articles/z77y382>

Friendships - <https://www.bbc.co.uk/cbbc/curations/lifebabble-guide-to-friendship>



# Religious Studies

## What will we be doing in September?

Exciting stuff this year as we embark on your GCSE journey in RS. In September we will start the GCSE syllabus for AQA Specification A. Our first topic to be studied in September will be Christian Beliefs and Teachings. Within this unit you will look at the nature of God, the Trinity, The Incarnation and the life and death of Jesus as well as Salvation.

### Optional Task 1

You can take a virtual school trip around St Paul's Cathedral with their virtual tour. You can learn more about the Grand Organ, the monuments, Altar and features of the building. Also see St Paul's Cathedral's teaching resources that can be adapted and used for home learning. Use the timeline to explore the 1,400-year history of the Cathedral, linking it to broader events in London and Britain's History.

Activities include:

- Teaching Resources
- Timelines
- Virtual Tours

<https://www.stpauls.co.uk/learning-faith/schools-families/resources-for-teachers>

### Optional Task 2

You can also use BBC Bitesize to access videos, information and self-testing on the Christianity unit. This would be great flip learning:

<https://www.bbc.co.uk/bitesize/guides/zrpgmsg>

<https://www.bbc.co.uk/bitesize/guides/z683rwx>

<https://www.bbc.co.uk/bitesize/guides/znqck2p>

# Science

## What will we be doing in September?

Starting your GCSE Science work on topics including Biology topics looking at the human body, Chemistry topics exploring reactions and properties of materials and Physics topics including energy resources and the world around us.

### Optional Task 1

Using your KS3 revision guide, work through the summary questions using the revision guide to find the answers on the following topics:

Plants and ecosystems P25

Earth and atmosphere P65

Electricity and magnetism P101

The Earth and beyond P105

### Optional Task 2

Visit the natural history museum virtual tours: Follow the link below...

<https://www.nhm.ac.uk/visit/virtual-museum.html>

There are 13 key areas to visit. Visit as many times as you wish. There are also virtual expeditions to explore. We would encourage you to look at these, just because they are very interesting for students with a love of Science. The virtual expedition in the Antarctic will give an insight into the changing climate, a topic that you will cover towards the end of your GCSE course, but is relevant to the global climate crisis that we are in.

<https://www.nhm.ac.uk/discover/360-panorama-of-antarctica.html>

Take your time with the visits, you can always go back and visit again. As with normal museums, when you return there is always something new to look at and learn about.

# Spanish

## What will we be doing in September?

We're going to be talking about where we live. We will learn lots of new vocabulary and practise using the future tense.

### Optional Task 1

Vocabulary is a really important part of feeling confident in using your Spanish. Over the summer you could continue to use [www.memrise.com](http://www.memrise.com) to consolidate vocabulary we have already learnt and to learn new vocabulary.

[Please note you do NOT have to pay for memrise – it may try and prompt you, but the free version is the best to use].

### Optional Task 2

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