

Step up to Year 10 Summer Booklet



Wyvern St Edmund's
Learning Campus

Optional Tasks

FOR STUDENTS STARTING YEAR 10 IN SEPTEMBER 2020

Dear Year 10 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 10 at Wyvern St Edmund's.

We've asked your new teachers to put together this booklet to help you prepare for year 10. 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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GCSE Art and Design

What will we be doing in September?

You are going to be extending your previously learned 2D and 3D skills from your KS3 lessons and creating more independent projects from primary research and your own thinking. You will learn how to develop a project successfully, therefore create outcomes of a high quality.

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



GCSE Catering

What will we be doing in September?

We're going to be learning about the importance of nutrition in planning menus and understanding menu planning. In your practical lessons you will continue to focus on using preparation skills and presentation techniques.

Optional Task 1

The Savoy. Will help understand how the hospitality industry works. Look at the staff dress, how they speak to customers, the services they offer their guests.

https://www.youtube.com/results?search_query=the+savoy

Optional Task 2

Research or read the biography of your favourite celebrity chef. What was their career path? Where did they start out? What is their cooking style? Who are they inspired by? Chefs you could look at: Heston Blumenthal, Gordon Ramsey, Marcus Waring, Tom Kerridge, Angela Hartnett, Tom Kitchin, Monica Galetti or your favourite.

Optional Task 3

Write a list of food dishes and state the country of origin

Computer Science

What will we be doing in September?

We will be learning about the design and architecture of computer systems.

iMedia students will be learning how to plan and design digital products such as websites, games and digital graphics

Optional Task 1

<https://educode.org/courses/cs-3A>

Learn the basics of HTML and CSS by making delicious treats in a virtual bakery competing with Supreme Chef Horus for best honours. Our self-directed, fully immersive and fun micro-lessons and exercises using story rich videos and real world problem solving will teach and engage your students for hours.

Optional Task 2

Learn Python 2 at <https://www.codecademy.com/learn/learn-python>

You can work at your own pace and it covers everything step by step. Easy to work through.

Datacamp has lots of Computing courses, which are really good quality. Try the free Introduction to Python course with a very clear interface and easy to understand feedback. 11 videos and 57 exercises. Used by more than 2,000,000 people.

https://www.datacamp.com/courses/intro-to-python-for-data-science?utm_source=learnpython_com&utm_campaign=learnpython_tutorials

Pyschools Python Tutorial is easy to use and has lots of hands on practice tasks.

<http://www.pyschools.com/>

GCSE & BTEC Dance

What will we be doing in September?

You will be developing their dance technique as well as your choreography skills.

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

Define, in your own words, the following skills.

Balance, focus, alignment, musicality, projection, dynamics and timing.

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

GCSE Design and Technology

What will we be doing in September?

We're going to be.... Updating and using workshop skills to research, design and make a small USB powered mood light.

Optional Task 1

Circuit boards are in many of our everyday electrical items. How do we solder? Have a look at soldering techniques and circuit boards.

<https://www.makerspaces.com/how-to-solder/>

Optional Task 2

Light wasn't always produced by the flick of a switch. Have a look at the *THE ILLUMINATING HISTORY OF LIGHTING* by the English Heritage and or/

<https://www.wired.com/2008/12/gallery-lights/>

<http://blog.english-heritage.org.uk/history-of-lighting/>

Optional Task 3

Techsoft 2d Design have given students free use of 2D design. To use this, visit:

<https://www.techsoft.co.uk/adverts/coronavirus-covid-19-student-request>

Tutorials are available at <https://www.the-warren.org/2DDesign/2DDesigntutorials.html>

GCSE Drama

What will we be doing in September?

We're going to be looking at how the GCSE course is structured and what you need to do to be successful. We will also be working on the skills you need to succeed alongside getting to know your new classmates.

Optional Task 1

Watch a live theatre performance(s) online. Many theatres are streaming live performances online for you to experience in the comfort of your own homes- look on the websites of the following theatre companies and pick something you'd like!

- The National Theatre
- Royal Shakespeare Company
- The Gate
- The Bush
- The Globe Theatre
- Bristol Old Vic

Optional Task 2

Research GCSE Drama Monologues on Youtube. Choose one you like and learn it. Rehearse then film it and evaluate your performance- what are you doing well? What do you need to work on?

Optional Task 3

Use 'Crash Course Theater' on Youtube to find about an aspect of Drama you are interested in: Drama styles, practitioners, theatre history. Once you have found something that interests you, dig a little deeper with more online research.

GCSE English Language

What will we be doing in September?

We're going to be building on the brilliant work that you've been doing during lockdown on fiction and non-fiction writing. We're going to teach you how to be expert writers of stories, descriptions, articles, letters and speeches.

We're also going to be analysing a wide range of fiction and non-fiction texts. If you enjoyed reading Marcus Rashford's open letter to MPs, you're going to love what we've got in store for you next year.

Optional Task 1

Read opinion articles throughout the Summer holiday. Not only will this help keep you informed of issues in the news, you'll also build your understanding of how opinion articles are written. Below are links to free to access opinion pages for newspapers:

The Guardian: <https://www.theguardian.com/uk/commentisfree>

The Independent: <https://www.independent.co.uk/voices>

Optional Task 2

Write you an opinion article about a topic that interests you. Remember that your job is to convey your opinion and persuade the reader to agree with you. Use the articles you've read to guide you on what to include (e.g. headline, subheading) and remember the work we've done this term on opinion writing.

If you're not sure about what to write, here's a few suggestions. Write an article arguing for or against...

- Mobile phones being banned for under 16 year olds
- The voting age for general elections being reduced from 18 to 16
- The school day being extended to 5pm

Optional Task 3

Build on the Taxi Tale work we've been doing. You could:

- Write a new Taxi Tale with two completely different characters. Or the same characters but switch the roles so that your original taxi driver is now the passenger.
- Take your characters and write them into a story entitled, 'Locked down'.

GCSE French

What will we be doing in September?

We're going to be starting the French GCSE course. This will include some grammar revision as well as starting on our first topic of talking about ourselves, friends and family.

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 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]

Or why not log on to 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 2

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.

Optional Task 3

The PiXL independent Learning Booklet for GCSE French is available on the school website – this has lots of revision for French grammar. There are links which will take you to explanations for different grammar points and there are plenty of activities to work your way through.

GCSE Geography

What will we be doing in September?

We will study the WJEC Eduqas GCSE (9-1) in Geography B. Qualification Accreditation Number is 601/8153/9. The first topic is Coasts.

Optional Task 1

Get to know the topic through the following site - you can also look through the skills topics which thread throughout the course

<https://www.bbc.co.uk/bitesize/examspecs/ztp2qty>

Optional Task 2

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.

Optional Task 3

Choose a topic and select all the key words to create a word cloud.

<http://www.wordle.net/>

GCSE History

What will we be doing in September?

We will be starting your GCSE with a look at the fascinating history of Medicine from 1250-present day. You will learn what people believed caused illness and disease, how they attempted to treat the sick and how and why that has changed over the course of the last 1000 years.

Optional Task 1

The Science Museum has a great website with lots of useful information about the history of medicine – you could take a bit of time to explore it here as it covers much of the content that you will cover in September:

<https://www.sciencemuseum.org.uk/medicine>

Optional Task 2

Michael Moseley has done a couple of excellent documentary series about the history of medicine:

- Blood and guts a history of surgery
- Pain , Pus and Poison

They can be found on DVD, but you can often find them on YouTube or Dailymotion

Optional Task 3

Part of the Medicine topic is a focus on the medicine of the trenches of the First World War. Here are a couple of useful collection of videos and other material to help you gain some valuable background to this part of the topic:

<https://www.bbc.co.uk/teach/world-war-one-video-resources/zmqxxyc>

<https://www.iwm.org.uk/learning/lives-of-the-first-world-war-trench-warfare>

GCSE Maths

What will we be doing in September?

We're going to be looking at how to manipulate numbers efficiently. This includes looking at how to determine which bank account will give the best interest rate and how mortgages work.

Here is a question to get you thinking: Using the digits 1 to 9, at most one time each, place a digit in each box to make a true statement.

$$\frac{\square}{\square\square} = 0.\square$$

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

Over the last 6 months you will have seen lots of different types of charts and graphs displaying data about COVID-19, from time series detailing the number of cases to choropleth maps showing the infection rate in different locations, from pie charts showing how money is being spent to compound bar charts showing people's time priorities.

Look at the different types of graphs and charts, what information are they trying to portray? Could the graphs be misleading? How else could they have presented the information? Have they used the best option to display the data?

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!

GCSE Music

What will we be doing in September?

You're going to be learning how to compose a piece of music of your choice. We will work together on some practice composition tasks, learn how to use Sibelius our music software package and begin to sketch ideas out for your own choice of composition. You will also have time to work together to perform your own pieces of music and continue working towards the skills needed for the listening paper.

Optional Task 1

Continue to practice as much as you can. This might mean dusting off your instrument, tuning it up again and giving it a go. Some of you have been working extremely hard and I can't wait to hear the progress you have made.

Optional Task 2

Experiment with new composition ideas. You might come up with a really good melody or chord structure just by playing around with your instrument. Write down or record anything you come up with and it could be the inspiration for your next composition.

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.

Cambridge National Physical Education

What will we be doing in September?

We will be taking a look back at the work covered during lockdown and addressing any problems or misconceptions. During this time, we will look at exam questions on the topics covered.

Following this, Year 10 and 11 classes will be following an interleaving curriculum whereby they will cover two units at the same time. This is RO56 outdoor pursuits and RO51 contemporary issues in sport.

Optional Task 1

Below is a link to Specimen Exam Papers and the Mark Schemes produced by OCR Cambridge National Sports Studies and can be found on this website:

<https://www.ocr.org.uk/qualifications/cambridge-nationals/sport-studies-level-1-2-j803-j813/assessment/>

You need to click on 'question papers, mark schemes and reports' drop-down tab and it will give you access to all the exam paper material. You are free to do which ever exam paper over the summer.

Answer the exam paper in 1 of 3 ways:

1. In 'exam conditions'; complete the paper and then use the mark scheme to mark it to find out how you did.
2. Read the mark scheme for each question and then answer the question without looking at the mark scheme again. You will then check your answer against the mark scheme.
3. Complete each question using the mark scheme to create the perfect answer for each question.

Optional Task 2

Research an outdoor adventurous activity. The activity you choose could be any one of the following: climbing, abseiling, camping, a snow sport or caving. Answer the following questions about your activity.

ACTIVITY – What activity are you going to plan for people to do?

- i) How many in your group? How many females? How many males? Approximate age? (You must keep in mind that some activities are limited to numbers. For example, don't plan for 30 in your group if the activity can only have a maximum of 12 people participating).
- ii) What is the activity you will be planning for?
- iii) Where will this activity take place? What venue? Location?
- iv) When will it take place? Give a date. Will it be a date in spring, summer, autumn or winter? Think about the temperatures if it's going to be a water sport activity.

GCSE PE

What will we be doing in September?

We will be taking a look back at the work covered during lockdown and addressing any problems or misconceptions. During this time we will look at exam questions on the topics covered.

Following this, Year 10 classes will start on the Health and Wellbeing unit and the Year 11 classes will move onto Aerobic and Anaerobic exercise and Short and Long term effects of exercise.

Optional Task 1

Below is a link to Specimen Exam Papers and the Mark Schemes produced by AQA. They are split into Paper 1 and Paper 2 as you will sit two separate papers. Paper 1 is 'the human body and movement in physical activity and sport' and Paper 2 is 'Socio-cultural influences and well-being in physical activity and sport'.

You can find the June 2018 Paper 1 and 2 papers and feature at the top of the list of papers. To access the mark schemes you click on the word mark schemes on the left hand side of the screen.

<https://www.aqa.org.uk/subjects/physical-education/gcse/physical-education-8582/assessment-resources?f.Resource+type%7C6=Question+papers>

Your optional task is to complete the exam paper in 1 of 3 ways:

1. In 'exam conditions'; complete the paper and then use the mark scheme to mark it to find out how you did.
2. Read the mark scheme for each question and then answer the question without looking at the mark scheme again. You will then check your answer against the mark scheme.
3. Complete each question using the mark scheme to create the perfect answer for each question.

Optional Task 2

Research fitness testing and complete each test. Within the Physical Training unit of work, we will be looking at why we use fitness tests, how they are carried out and how you can track your progress.

You should find out the most suitable method to test the following components of fitness: speed, agility, power, cardio-vascular endurance, muscular endurance, balance, flexibility, coordination and reaction time.

Using the protocol (method) for completing the test you should try to achieve your best score for each of these. During the summer you could try to improve on these scores.

PSHE

What will we be doing in September?

We're going to be learning about legal and illegal substances and the associated risks - including the link to mental health conditions. There will be a focus on healthy relationships and living in the wider world.

Optional Task 1

Teenagers are often stereotyped: what examples can you think of to overcome these. Identify 10 ways that teenagers can be seen in a more positive way. Can you find some interesting news stories that show teenagers in a positive light. Create a poster or a case study about them.

Optional Task 2

Write a list of skills to living on your own - from learning to turn on the washing machine or the heating to basic car maintenance and to budgeting your money. Start to tick off these skills when you have mastered them.

Make 10 job descriptions for careers that you may be interested in the future. Use examples from newspapers, online and talking to family members.

Optional Task 3

Using pictures, graphics and words, mood boards can help capture and represent feelings and thoughts about the COVID-19 pandemic. Here's how to do:

- 1) Get a big blank piece of paper, the bigger the better.
- 2) Think of a topic and write it at the top of the sheet.
- 3) Use magazines and or newspapers or find images online- basically anywhere you can find a mixture of different text and pictures.
- 4) Pick out words and quotes and images that help to express people's emotions.

What you'll need: paper, magazines/newspapers/ scissors.

GCSE Religious Studies

What will we be doing in September?

After a strange Year 9, we will be carrying on with the GCSE syllabus for AQA Specification A. We need to get you exam ready for your GCSE next year (May-July). During lockdown you completed the Religion, Peace and Conflict Unit. We have 3 engaging units left to complete starting with Relationships and Families in September. This unit looks at human sexuality, sexual relationships inside and outside marriage, marriage and divorce, contraception etc.

Optional Task 1

Flip Learning – Take a look at Bitesize and gain a knowledge of your next theme before September. You can read through and then test yourself. This will give you a basic knowledge before we start the unit:

<https://www.bbc.co.uk/bitesize/guides/zj8qn39/revision/1>

Optional Task 2

Revise the work already completed on Christian Beliefs and practices:

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

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

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

Optional Task 3

Revise and remind yourself of the work we completed on Islam:

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

<https://www.bbc.co.uk/bitesize/guides/zd6w7p3>

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

GCSE Science

What will we be doing in September?

Continuing your GCSE Science work on topics including Biology: Infection and Response, Chemistry: Energy Changes and Physics: Particle Model of Matter.

Optional Task 1

Using your KS4 revision guide, work through the summary questions using the revision guide to find the answers on the following topics:

- Cell Biology P23
- Organisation P42
- Atomic structure and the Periodic table P111
- Bonding Structure and properties of matter P122
- Energy P178
- Electricity P190

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 many virtual tours at the Natural History Museum, please take time to look through as many as you can, and just like normal museums, you always spot something different on your return.

In particular look at the following link and find out about Charles Darwin...

<https://www.nhm.ac.uk/discover/charles-darwin-most-famous-biologist.html>

Charles Darwin is a scientist that we discuss and learn about in GCSE Biology.

GCSE Spanish

What will we be doing in September?

We're going to be starting the Spanish GCSE course. This will include some grammar revision as well as starting on our first topic of talking about holidays.

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 to consolidate vocabulary we have already learnt and to learn new vocabulary.

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