

Dear Year 8 Student

Your teachers have asked you to complete the following work in the long summer holidays and bring to your first subject lesson in September. Try to plan your time well and spread the tasks out over the holiday. Good luck with all your tasks and we look forward to seeing your work in September.

Art

Produce an A3 tonally shaded drawing of a selection of kitchen still life objects such as pots and pans, bottles, knives and forks. Bring your work to your first Art lesson in September.

English

You are to carry out a research project – the focus is 'Literary London'. You need to plan a day out in London which takes in some of the city's rich literary heritage. You could decide to visit a number of museums or famous writers' homes. You could choose to plot a literary themed walk. The main thing is that you are researching London's literary heritage and then producing a realistic itinerary, with information, for a day out. This will be put together using Power Point and will be presented to your class when you return in September. It would be good to experience the day with your family or friends and then write a review.

Geography

Create a video (maximum length 2 minutes) about a fantastic place you have visited over the summer holiday. The scale of the place is your choice, it could be an island, town, city, museum or park. You must include information about where the place is located, the history, what makes it fantastic to you and why you recommend we should visit. You can star in your video if you like or if you would prefer can edit images, videos, text and music to create your final piece. You should have an electronic copy of your video available to upload in September.

History

You are to complete the following sections in Kerboodle

Work sections

Chapters 3 page 40-62

Chapters 76 page 92-4

Chapter 11 page 144-150

Your teacher will check this work in September.

ICT

You have to complete a series of exercises and assessments which you will find when you log into Doodle. Your ICT teacher will check these in September.

<https://www.doddlelearn.co.uk/app/login>

Maths

You have been set tasks to do on Hegarty Maths which will enable you to recap some of the work covered during this year. You must watch the associated video clips, complete the questions in your book and use green pen to correct work you don't get right first time. Your teacher will ask to see this work in September.

MFL

Using the **Duolingo** website

Register for the language that you are taking next year and complete as many different tasks as possible. Spend at least 5 hours on this. Your teacher will check up on this work in September

Music

You are to work through these theory lessons that are online in preparation for what is expected from the new GCSE spec.

<https://www.musictheory.net/lessons>

<http://www.bbc.co.uk/education/guides/z8c2mp3/revision>

RE

Research and define the following key words

Absolution	
Allegory	
Amoral	
Apostle	
Apostolic religious life	
Beatitudes	
Blessed Sacrament	
Charism	
Conception	
Conscience	
Discernment	
Divine Office	
Ecclesiastical law	
Indelible mark	
Immoral	
Initiation	
Magi	

Messiah	
Metaphorical language	
Monastic	
Monstrance	
Moral	
Natural law	
Omni-benevolent	
Omnipotent	
Omniscience	
Professing our faith	
Rabbi	
Renounce	
Retreat	
Salvation	
Supreme	
Tabernacle	
Theologian	
Vocation	
Wake	

Science

After the summer holiday you will start the 9-1 GCSE Science course. You will need to prepare yourself for this. The first 3 units are outlined below. Research and answer the questions below. This will ensure that you have revision notes for the end of unit tests. Bring notes to your first Science lesson in September.

Biology –Prokaryotic and Eukaryotic cells.

What are prokaryotic and eukaryotic cells? Give examples of each.

Give labelled diagrams of each type of cell.

State the function of the cell membrane, cytoplasm, nucleus and plasmid

How do the sizes of each type of cell compare?

What is the cell cycle?

Give diagrams of the stages involved in the cell cycle.

What is mitosis and where does it occur?

In detail, explain using diagrams what happens in mitosis.

Chemistry- The development of the periodic table

How were elements in the periodic table organised before the discovery of protons, neutrons and electrons?

How did the Scientists JNewlands, J Döbereiner, D Mendeleev **each** develop the periodic table?

How is the modern periodic table organised?

How are elements organised into groups?

What are isotopes? Give examples of isotopes.

Physics- Energy resources

What is difference between energy resources that are renewable and energy resources that are non-renewable?

Oil, coal, Gas, biomass, wind, solar, tidal, hydroelectric

How are the different energy resources listed above used? (Hint: transport, electricity generation and heating)

Give advantages and disadvantages for each of the energy resources listed.

Explain why some of these energy resources are more reliable than others.

Describe the environmental impact from the use of these different energy resources.