

Dear Year 9 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 the tasks and we look forward to seeing your work in September.

Art Option group

Research into Cubism. Visit the Tate Modern and find cubist images by Braque, Picasso and Juan Gris. Make sketches of some pieces and photos of others to bring to the first Art lesson in September.

English

As preparation for the spoken language unit you need to plan and prepare a four minute presentation on 'What I did on my holidays?' You will be asked to deliver this to your classmates in September.

Geography Option group

You must write a report on the River Cray. You must include an introduction to the River (back ground research) and a detailed write up of the methods we used to collect data on our fieldtrip (including what risks you had to assess and manage), and a best copy of all the data we collected. In September we will be using this to practice our data presentation techniques and analysis.

History Option group

Kerboodle : Industry/Invention & Empire

Chapter 4 pages 54-76

Chapter 5 pages 78-90

Chapter 6 pages 92-100

Chapter 7 pages 112-124

Chapter 8 pages 126-134

Chapter 9 pages 136 -150

ICT Option group

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.

Music - Option group

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

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

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

MFL

-www.languagesonline.org.uk

-Log on to the web site and select the relevant language (Spanish or French).

-Select the grammar section and read the information relating to the present, past and future tenses.

- Complete as many of the practice exercises as possible for each tense.

Your teacher will check up on this work in September, please bring copies of your scores to your first lesson.

PE

Complete a 4-week food diary

*State everything you have eaten over the course of those 4 weeks, including and drinks or snack you have had.

*Use the table below to help you create your diary

Week 1

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Breakfast							
Snack							
Lunch							
Snack							
Dinner							

Display Work

*The PE department would like each student to write a detailed paragraph about what exercise or activities you have taken part in over the Summer to stay fit and active (for example, you may have taken part in some Summer Football camps; or you may have gone swimming everyday on your holidays; or you went for long walks each day in the countryside).

Whatever it is you did to stay fit and active we would like to know about it!!!

*These paragraphs will be used for a new Display board when we return in September.

RE - complete the Mind maps at the back of this booklet.

Science

After the summer holiday you will be continuing with 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 your notes to your first Science lesson.

Biology –Communicable diseases

What is health?

What are the different causes of ill health?

What are the differences between bacteria and viruses? Use diagrams to help you answer this.

How do bacteria and viruses cause disease?

How can pathogens spread. (Hint: there must at least 5 ways).

How can the spread of disease be reduced or prevented?

Describe the symptoms of following viral diseases and explain how they are spread - measles, HIV, AIDS, and tobacco mosaic virus.

Describe the symptoms of following bacterial diseases and how they are spread – salmonella food poisoning gonorrhoea.

Describe the symptoms of the fungal disease rose black spot.

What are protists and how do protists spread disease?

How can the spread of malaria be reduced or prevented?

How does the human body stop pathogens getting in?

How do your white blood cells protect you from disease?

Chemistry- Energy changes

What are exothermic reactions?

What are endothermic reactions?

Give examples for each of these reactions.

How do chemical hand warmers work?

How do chemical cold packs work?

Draw energy profile diagrams for exothermic and endothermic reactions, including the activation energy.

Explain the role of bond breaking and bond making in chemical reactions.

Physics- Energy transfer by heating.

Which materials make the best conductors?

Which materials make the best insulators?

What is thermal conductivity?

Describe and explain how energy is transferred in conduction, convection and radiation.

What is meant by specific heat capacity?

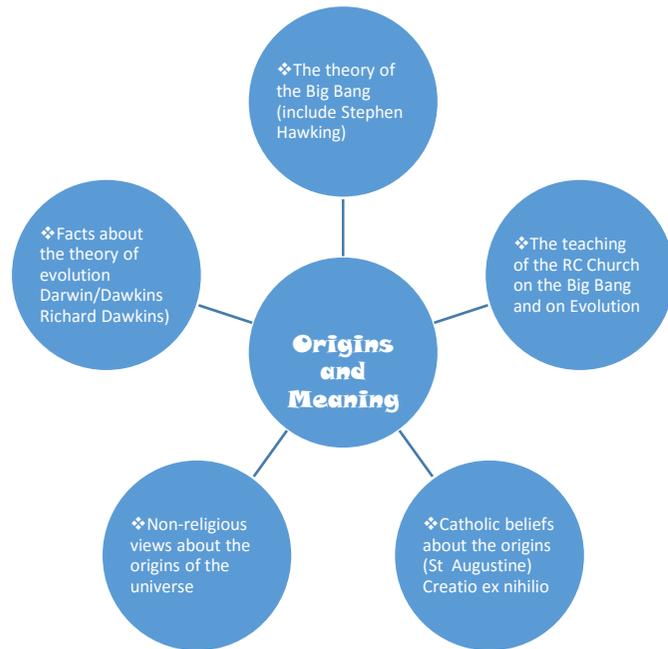
What measures can be taken to reduce energy losses from homes?

Explain how these measures work.

What is cavity wall insulation?

How do solar panels work?

Either print out and add to this mind-map or create your own from scratch. Make sure you include the following sub-headings within each unit...



Use pictures and colour to help you memorise the information. You should stick these up on your wall and look at them regularly.





