

Year 10 Learning at Home Workbooks ENGLISH

Hello! Please ensure you complete the work that is set below on a weekly basis. Work needs to be completed in your booklets and these will be used for next year also, so keep them nice and neat! Please email your English teachers if you have any individual questions about any task.

<u>Date</u>	<u>Guides to use</u>	<u>Tasks to complete</u>
15 th June Focus: Lang	English Language revision guide and workbook	Read through Section One in the Revision Guide (pages 1-16) and ensure you have thought about the two language papers. You will then need to complete the revision workbook for pages 1-8. Please complete this neatly and ensure that you have thought about what you have learnt in the revision guide!
22 nd June Focus: Literature	Power and Conflict Literature Guide	Read Page 1 of the Power and Conflict guide, then also complete the reading of Section 3 Poetic Techniques for pages 49-59. Once you have read through these you are going to create a poetry grid for all 15 poems. In this you need to write up the techniques that can be found within each poem, to create your own revision guide. Try to make it interesting using colours and you can also include information on techniques that you may have picked out from the poems before!
29 th June Focus: Lang	English Language revision guide and workbook	You are going to be reading Section 4 – Writing for Purpose. Complete the reading on page 50 and then reading Section 4 pages 57-43. Once you have understood the information in this section, complete the workbook tasks on pages 46-53. Your main task is going to be a piece of writing, you can chose to answer either Question 4 or 5 on page 53, or if you’re feeling like you want some additional work have a go at both tasks!
6 th July Focus: Literature	Power and Conflict Literature Guide	Read through the notes given in the booklet on the poem ‘Checking Out Me History’ (pages 30+31). Once you have read through the notes please have a go at completing the tasks on this poem on page 34. This is a really relevant poem at the moment and is a particular topic that has hit the headlines most recently.
13 th July Focus: Lang	English Language revision guide and workbook	Read through the following pages in the revision guide, before starting the work in the workbook. You need to read Page 50 + 64. You will then need to complete the work on ‘Writing Speeches’ (Page 60 of the workbook). Once you have completed this task, start looking at the NEA Speaking and Listening task you need to complete before we return in September. Details of this can be found on the other side of this handout.
Summer Holiday work		You are going to be completing your speaking and listening presentations, information can be found on the other side of this sheet. Please ensure that by the time you come back in September you have thought about the topic you are going to talk about and have your notes and power points ready to go.

Year 10 Information- NEA Speaking and Listening

In Term 1 of Year 11 you will be completing a Speaking and Listening assessment that forms part of your GCSE for English Language.

Your presentation (in the format of a speech) will need to be conducted in a formal context and you will show your ability to respond appropriately to questions from an audience and feedback about a topic of your choice, this needs to be agreed by your class teacher. Your presentation must be planned and organised and you are allowed to use pre-prepared notes, power points with bullet point ideas on to help aid you during your presentation.

Topics can range from anything that you are passionate about such as:

You could:

1. Talk about your favourite band/singer
2. Talk about a hobby that interests you
3. Speak for or against the motion, 'The death penalty should be reinstated.'
4. You could discuss cruelty to animals in travelling circuses
5. You could discuss a particular culture or country that interests you
6. Speak for or against the motion, 'Homework should be banned.'
7. Speak for or against the motion, 'Donald Trump is a corrupt president.'
8. Outline your stance on Brexit/ Covid 19
9. Speak for or against the motion, 'Students shouldn't have to wear school uniform.'
10. Discuss technology addiction and reliance amongst young people

There are a lot of things you could present on. Once you have decided upon your topic, create your presentation and practise your speeches. You need to be ready to present this in front of your class and a teacher once we return to school.

Please communicate with your class teacher about the topic you are choosing to do and if you get stuck on choosing a topic please email your classroom teacher for support. Practise in front of your family at home and ask them to ask you questions to help you!

Good Luck!

Maths Work Term 6 - Key Stage 4 – Yr10

GCSE Foundation Book			Hegarty Maths
Week	Pages	Things to do	Task to do
15/06/20	Indices 30-31	Read through '3.3 Laws of Indices' and make notes from the examples on page 30. Complete all the questions in exercise 1 pages 30-31. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 105
22/06/20	Indices 31-32	Read through '3.3 Laws of Indices' and make notes from the examples on page 31. Complete all the questions in exercise 2 pages 31-32. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 107
29/06/20	SDP 201-202	Read through '17.1 Speed, Distance, Time Calculations' and make notes from the examples on page 201. Complete all the questions in exercise 1 page 201 and exercise 2 on page 202. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 717
07/06/20	Volume - Prisms 271-272	Read through '23.4 Volume' and make notes from the example on page 271. Complete all the questions in exercise 2 pages 271-272. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 570
13/07/20	Density & Pressure 203-204	Read through '17.2 Density' and make notes from the example on page 203. Complete all the questions in exercise 1 pages 203 and 204. Read through '17.3 Pressure' and make notes from the example on page 204. Complete all the questions in exercise 1 pages 204. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 725
GCSE Higher Book			Hegarty Maths
Week	Pages	Things to do	Task to do
15/06/20	Expanding Brackets 55	Read through '6.2 Brackets' and make notes from example 6 on page 55. Complete all the questions in exercise 4 on page 55. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 166
22/06/20	Sim Equations 106 - 107	Read through '12.1 Simultaneous Equations' and make notes from examples 1 & 2 on pages 106 - 107. Complete all the questions in exercise 1 & 2 on pages 106 - 107. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 193
29/06/20	Inequalities 110 - 111	Read through '13.1 Inequalities' and make notes from examples 1, 2 & 3 on pages 110 - 111. Complete all the questions in exercise 1 & 2 on pages 110 - 111. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 272
07/06/20	Sequences 127	Read through '14.3 Finding the nth term' and make notes from examples 6 & 7 on page 127. Complete all the questions in exercise 5 & 6 on page 127. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 248
13/07/20	Rearrangin g Formulas 80 - 81	Read through '8.3 Rearranging Formulas' and make notes from examples 1, 2 & 3 on pages 80 - 81. Complete all the questions in exercise 1 on pages 80 - 81. Mark your work using the answers at the back of the book. Log in to Hegarty Maths to complete the task that has been set for this week.	Task 281

Science work – Year 10

Complete the tasks given, which are in place of your science lessons, at the end of the week Log onto educake and complete the matching educake test. They will only appear during the correct week. There is a more detailed version of this with extra resources and adapted more detailed tasks on the science home learning page of the website.

Trilogy Groups: 10NSCurie, 10NSDahl, 10SSCurie, 10SSDahl

Week	Topic	CGP Guide pages	Workbook pages
15/6/20	Revision B1 and C1	p.11-23 and p.96-111	p.2-17 and p.102-123
	Task Instructions: Complete the B1 revision question (CGP Guide, pg23) and C1 revision questions (CGP Guide p.111) Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete.		
22/06/20	Revision P1	p.167-178	p.193-206
	Task Instructions: Complete the P1 revision question (CGP Guide, pg178). Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete. The Educake test this week is your end of year assessment.		
29/06/20	Water Cycle and Carbon Cycle	p.89-90	p.95-97
	Task Instructions: Make a simple diagram of the water cycle. Explain the meaning of the 4 key terms: evaporation, condensation, transpiration and precipitation. Make a simple diagram of the carbon cycle. Describe 1 way that carbon dioxide is removed from the atmosphere, 2 ways that carbon dioxide is locked up in the soil and 3 ways that carbon dioxide is released into the atmosphere. Complete pages 95-97 in the workbook.		
6/07/20	Biodiversity, Waste and Global Warming	p.91-92	p.98-99
	Task Instructions: Explain the meaning of biodiversity. Give 3 reasons why biodiversity is important. Make a table of 3 ways to dispose of waste. Give advantages and disadvantages for each method of waste disposal. Explain global warming and give 3 consequences of global warming. Complete pages 92-93 in the workbook		
13/07/20	Deforestation, Land Use and maintaining Ecosystems	p.93-95	p.100-101
	Task Instructions: Explain the meaning of deforestation. Explain 3 problems with deforestation and 3 problems with destruction of peat bogs. Describe 3 methods for maintaining ecosystems. Complete pages 100-101 in the workbook. Complete the end of topic revision questions on page 95.		

Trilogy Groups: 10NSEuclid, 10NSFermat, 10NSGolding, 10SSEuclid, 10SSFermat

Week	Topic	CGP Guide pages	Workbook pages
15/6/20	Revision B1 and C1	p.11-23 and p.96-112	p.2-17 and p.96-112
	Task Instructions: Complete the B1 revision question (CGP Guide, pg23) and C1 revision questions (CGP Guide p.112) Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete.		
22/06/20	Revision P1	p.167-179 and p.202	p.173-178
	Task Instructions: Complete the P1 revision question (CGP Guide, pg178). Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete. The Educake test this week is your end of year assessment.		
29/06/20	Water Cycle and Carbon Cycle	p.89-90	p.87-88
	Task Instructions: Make a simple diagram of the water cycle. Explain the meaning of the 4 key terms: evaporation, condensation, transpiration and precipitation. Make a simple diagram of the carbon cycle. Describe 1 way that carbon dioxide is removed from the atmosphere, 2 ways that carbon dioxide is locked up in the soil and 3 ways that carbon dioxide is released into the atmosphere. Complete pages 87-89 in the workbook.		
6/07/20	Biodiversity, Waste and Global Warming	p.91-92	p.89-90
	Task Instructions: Explain the meaning of biodiversity. Give 3 reasons why biodiversity is important. Make a table of 3 ways to dispose of waste. Give advantages and disadvantages for each method of waste disposal. Explain global warming and give 3 consequences of global warming. Complete pages 89-90 in the workbook		
13/07/20	Deforestation, Land Use and maintaining Ecosystems	p.93-95	p.91-92
	Task Instructions: Explain the meaning of deforestation. Explain 3 problems with deforestation and 3 problems with destruction of peat bogs. Describe 3 methods for maintaining ecosystems. Complete pages 91-92 in the workbook. Complete the end of topic revision questions on page 95.		

Year 10 – Triple Biology

Groups 10V/Bi1, 10V/Bi2, 10X/Bi1, 10X/Bi2

Week	Topic	CGP Guide	Workbook pages	Educake task	See website for other resources
15/6/20	Decay	114-115	114-115	Decay Lesson Test	
	<ol style="list-style-type: none"> 1) Read through and bullet point the rate of decay factors and how biogas is made. 2) Complete workbook questions 3) Write a paragraph trying to 'sell' biogas to oil companies to sell it as fuel rather than other more harmful fuels, give reasons why it's better and how you make it from anaerobic decay 4) Read the investigating decay practical on page 115 and list: the independent variable, dependent variable and 3 control variables for this practical. Attempt the rate of decay question at the bottom. 				
22/6/20	Biodiversity and waste management. GW	116-117	116-117	Biodiversity lesson Test	
	<ol style="list-style-type: none"> 1. Read guide and explain why biodiversity is important as a paragraph. 2. List the ways in which the demands on the environment are increasing, such as waste and human population. Complete the question 1 at the bottom of the page 3. Draw a diagram of the Earth and label. Bullet point or annotate the diagram explaining how energy is trapped on Earth and complete workbook questions page 117 4. Produce a mini poster (A5 size) to explain the consequences of global warming to a year 7 student. It should be short, concise and include an image of your favourite animal and why that animal should be protected. 				
29/6/20	Deforestation, land use, maintaining ecosystems and biodiversity	118-119	118-119	Deforestation and ecosystems lesson	
	<ol style="list-style-type: none"> 1. Read through the notes on page 118 and explain what peat bogs are and which should it be preserved 2. Produce 4 flash cards (fold a piece of paper into 4 and cut/tear it) on deforestation and the problems. Hand them to someone in your house and get them to quiz you 3 times. 3. Read through page 119 and explain an example of a breeding programme and why it is useful. 4. Complete the workbook questions on page 119 5. Make a 3 bullet point summary of your weaknesses of the lessons so far. Review and re-read the sections if needed. 				
6/7/20	Trophic levels and pyramids of biomass	120-121	120-121	Trophic levels and biomass lesson test	
	<ol style="list-style-type: none"> 1. Define the words: trophic level, consumer, producer, decomposer 2. Draw 1 food chain – use page 120 examples to help. 3. Explain why the arrows go from the producer towards the next consumer and not the other way around (it's to do with energy transfer) and draw 1 pyramid of biomass using page 121. 4. Explain the rules of drawing them – think about the size of the blocks and complete the workbook questions page 120-121 5. List the ways in which energy is lost from each trophic level of the pyramid. Go to page 122 and write down the efficiency equation, we will use this next lesson. 				
13/7/20	Biomass transfer, food security and biotechnology	122-124	122-124	Biomass and biotechnology lesson and educake test	
	<ol style="list-style-type: none"> 1. Create 4 question flash cards to self-quiz on the way's biomass is lost at each trophic level 2. Practice the example with a calculator on page 122 at the bottom and do the two questions at the bottom of page 122 3. Explain the reasons fish stocks are reducing and decide and list or order of best to worst, they ways we can help reduce fish stocks reducing 4. Write 1 exam question asking how food production can be more efficient with the mark scheme answer. Draw the diagram of how bacteria are engineered to produce insulin on page 124 5. Decide whether genetic engineering is a good or bad thing and explain your answer (do an evaluation if you can) 				

Year 10 – Triple Chemistry

Groups: 10NCh1, 10NCh2, 10SCh1, 10SCh2

Week	Topic	CGP Guide pages	Workbook pages
15/06/2020	C1 review	12-27	2-22
	Task Instructions: Complete CGP Guide, pg27. Mark answers. Identify strengths and weaknesses. Re-read CGP guide topics you have highlighted as weaknesses. Make flashcards on these topics. Complete workbook questions related to the topics on your flashcards. Complete Educake test.		
22/06/20	Rates of reaction and Factors affecting them	67-68	74
	Task Instructions: Create a presentation or lesson to explain the content of CGP Guide pages as if you're teaching it to a 6-year-old. Complete workbook pages. Complete Educake test.		
29/06/20	Measuring and calculating rates of reaction	69-71	76
	Task Instructions: Read CGP Guide pages and create a set of around 6–8 symbols to represent the key pieces of information. Annotate your symbols. Complete workbook pages. Complete Educake test.		
6/07/20	Reversible reactions and Le Chatelier's Principle	72-73	78
	Task Instructions: Read CGP Guide pages. List 5 or more pieces of information from memory. Read CGP Guide again to check information you remembered is correct. Aim to improve on this score next time. Add another 3+ pieces of information after your second read. Complete workbook pages. Complete Educake test		
13/07/20	Revision of C6, revision questions	74	N/A
	Task Instructions: Complete CGP Guide questions and mark. Re-read the CGP Guide pages for the topics you got wrong. Write out the 3 most important pieces of information and rank them 1–3. Briefly explain each piece of information using two sentences for each. Go back through and cross out the least important sentence so you end up with 1 key sentence for each important piece of information. Complete Educake test.		

Year 10 – Triple Physics

Groups: 10NPh1, 10NPh2, 10SPh1, 10SPh2

Week	Topic	CGP Guide pages	Workbook pages
15/6/20	P1 review	11-23	1-12
	Task Instructions: Complete the P1 review questions (CGP Guide, pg23) Identify strengths and weaknesses by marking your answers. Pick two pages that contain information you didn't know. Create a mind map from those two pages.		
22/06/20	Longitudinal and Transverse waves	73-73	71-72
	Task Instructions: Draw a cartoon for each type of wave. Create a table listing the similarities and difference of each type of wave. Explain how experiments can be used to demonstrate wave properties.		
29/06/20	Reflection	75	73
	Task Instructions: Read CGP Guide pages and explain the difference between light reflection on plane surfaces and uneven surfaces. Draw a diagram and explain how the angle of incidence relates to the angle of reflection.		
6/07/20	Refraction	76	74
	Task Instructions: Read CGP Guide page, bottom half. Explain what refraction is, use diagrams to explain. Explain the difference between light passing from a dense to less dense medium, from light passing from a less dense to dense medium.		
13/07/20	Electromagnetic waves	76	74
	Task Instructions: Read CGP Guide page, top half. List the main waves in the electromagnetic spectrum. Create a mnemonic to remember the order. List two uses and properties for each of the waves.		