

Science work – Year 7

The tasks to work through each week from your CGP guide and workbook from June 15th until the end of the summer term are given below. When you complete the pages from the workbook you should mark them using the mark schemes at the back of the book. You will also have a short Educake test and additional online resources to help you with the tasks.

Groups: 7NSAngelou, 7NSBoyle, 7NSCurie, 7SSAngelou, 7SSBoyle, 7SSCurie

Week	Topic	CGP Guide pages	Workbook pages	Educake Test	Additional resources
15/6/20	Revision and end of year assessment	p.1-5, p.31-34 and 39-41	Do 2 pages out of: p.2-17 and p.102-123	Assessment of electricity and reproduction topics	All the topics covered this year include: cells, particles, speed, mixtures, electricity and human reproduction. You can use your revision guide or BBC bitesize to help you revise: https://www.bbc.co.uk/bitesize/subjects/zng4d2p
	Task Instructions: Complete the cells revision question (CGP Guide, pg5) and particles and mixtures revision questions (CGP Guide p47) Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete. Your Educake test is your end of year assessment.				
22/06/20	Gas Exchange and Breathing	p.12-14	p.25-28	Gas Exchange and Breathing	This link will explain the respiratory system, how we breathe and why we need to breathe: https://www.bbc.co.uk/bitesize/guides/zq349j6/revision/2 This video clip will show you how to make a model of a lung: https://www.youtube.com/watch?v=CBv2BqqAydE This link will explain how the lungs are adapted for gas exchange: https://www.bbc.co.uk/bitesize/guides/zq349j6/revision/3
	Task Instructions: Describe 3 ways which the lungs are adapted for gas exchange. Describe the process of breathing. Count the number of breaths you take sitting down for one minute. This is your breathing rate. Design an experiment to measure the effect of exercise on your breathing rate (you should record this in your book) – carry it out and explain what you have found. Complete pages 25-28 in your workbook. Complete Educake test.				
29/06/20	Interdependence and food webs	p.23-24	p.55-58	Interdependence and food webs	This lesson from Oak National Academy will help you understand this topic: https://classroom.thenational.academy/lessons/interdependence/activities/1/view
	Task Instructions: Draw 3 food chains that could occur in a woodland habitat. Combine these to form a food web. Explain the meaning of the terms producer and consumer. Explain what would happen if the producer(s) in your food chain all decreased in number. Complete pages 55-58 in the workbook. Complete Educake test.				
6/07/20	Acids, alkalis and neutralisation	p.52-53	p.113-117	Acids, alkalis and neutralisation	This lesson from Oak National Academy will help you understand this topic: https://classroom.thenational.academy/lessons/acids-and-alkalis/ This link will show you how to make an indicator from red cabbage. You must not drink this and you must ask your parent's first. https://www.youtube.com/watch?v=OMXMIWybv8A
	Task Instructions: Give some examples of acids, alkalis and neutral substances. Explain how an indicator can be used to determine if something is acidic, alkaline or neutral. Explain what happens when you add an acid to an alkali. Complete pages 113-117 in the workbook. You can make your own indicator using red cabbage or berries – the link will help you. Complete Educake test.				
13/07/20	Sound and Hearing	p.91-92	p.195-198	Sound and Hearing	This lesson from BBC Bitesize explains how sound is formed, travels and detected by the ear: https://www.bbc.co.uk/bitesize/guides/z8d2mp3/revision/1
	Task Instructions: Explain how sound is made and how it travels through different substances. Complete pages 195-198 in the workbook. Complete Educake test.				

Groups 7NSDahl, 7NSEuclid, 7NSFermat, 7SSDahl, 7SSEuclid, 7SSGolding

Week	Topic	CGP Guide pages	Workbook pages	Educake Test	Additional resources
15/6/20	Revision and end of year assessment	p.1-5, p.31-45	Do 2 pages out of: p.1-6 and p.61-93	Assessment of electricity and reproduction topics	All the topics covered this year include: cells, particles, speed, mixtures, electricity and human reproduction. You can use your revision guide or BBC bitesize to help you revise: https://www.bbc.co.uk/bitesize/subjects/zng4d2p
	Task Instructions: Complete the cells revision question (CGP Guide, pg6) and particles and mixtures revision questions (CGP Guide p41) Mark answers & identify your weakest. Make flashcards on this area. Choose at least 2 question pages on this area from your workbook to complete. Your Educake test is your end of year assessment.				
22/06/20	Gas Exchange and Breathing	p.11-13	p.22-25	Gas Exchange and Breathing	This link will explain the respiratory system, how we breathe and why we need to breathe: https://www.bbc.co.uk/bitesize/guides/zq349j6/revision/2 This video clip will show you how to make a model of a lung: https://www.youtube.com/watch?v=CBv2BqqAydE This link will explain how the lungs are adapted for gas exchange: https://www.bbc.co.uk/bitesize/guides/zq349j6/revision/3
	Task Instructions: Describe 3 ways which the lungs are adapted for gas exchange. Describe the process of breathing. Count the number of breaths you take sitting down for one minute. This is your breathing rate. Design an experiment to measure the effect of exercise on your breathing rate (you should record this in your book) – carry it out and explain what you have found. Complete pages 22-25 in your workbook. Complete Educake test.				
29/06/20	Interdependence and food webs	p.23-24	p.49-52	Interdependence and food webs	This lesson from Oak National Academy will help you understand this topic: https://classroom.thenational.academy/lessons/interdependence/activities/1/view
	Task Instructions: Draw 3 food chains that could occur in a woodland habitat. Combine these to form a food web. Explain the meaning of the terms producer and consumer. Explain what would happen if the producer(s) in your food chain all decreased in number. Complete pages 49-52 in the workbook. Complete Educake test.				
6/07/20	Acids, alkalis and neutralisation	p.49-50	p.102-105	Acids, alkalis and neutralisation	This lesson from Oak National Academy will help you understand this topic: https://classroom.thenational.academy/lessons/acids-and-alkalis/ This link will show you how to make an indicator from red cabbage. You must not drink this and you must ask your parent's first. https://www.youtube.com/watch?v=OMXMIWybv8A
	Task Instructions: Give some examples of acids, alkalis and neutral substances. Explain how an indicator can be used to determine if something is acidic, alkaline or neutral. Explain what happens when you add an acid to an alkali. Complete pages 102-105 in the workbook. You can make your own indicator using red cabbage or berries – the link will help you. Complete Educake test.				
13/07/20	Sound and Hearing	p.91-92	p.195-198	Sound and Hearing	This lesson from BBC Bitesize explains how sound is formed, travels and detected by the ear: https://www.bbc.co.uk/bitesize/guides/z8d2mp3/revision/1
	Task Instructions: Explain how sound is made and how it travels through different substances. Complete pages 195-198 in the workbook. Complete Educake test.				

