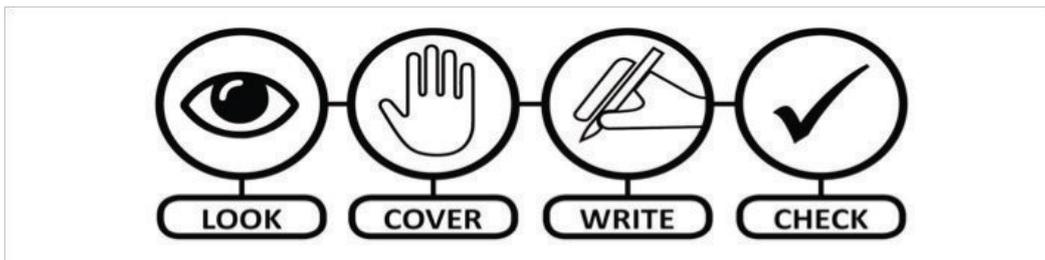




Year 8 Knowledge Organisers: 2nd Spring ½ term:

Name:	
Form:	



There is no learning without remembering.

— Socrates

Knowledge Organisers – Guidance for Parents

What are knowledge organisers?

A knowledge organiser is a set of key facts or information that pupils need to know and be able to recall in order to master a unit or topic. Typically an organiser fits onto one page of A4 this helps pupils to visualize the layout of the page which in turn helps them to memorise the information better.

Why are we moving to knowledge organisers?

Typically, most youngsters leave their revision until a few weeks (best case scenario) or days/hours (worst case scenario) before the examinations and tests. This presents a problem. Our short term memory is designed to be just that and has limited capacity. Pupils find themselves unable to retain the information, they become stressed and often give up, convincing themselves they are no good at revising or that they “can’t do subject ‘x’ ”.

The secret to success is to regularly revisit the knowledge to be learned (known as ‘spaced retrieval’). This helps transfer the knowledge from the short-term memory to the long term memory. This not only helps to make ‘learning stick’ but it also frees up our short-term memory for day to day learning and experiences.

How will a knowledge organiser help my child? Suggested activities for parents

Knowledge organisers will be made available at the start of each unit to help them remember what they’re learning and to help them to see the bigger learning journey in their subjects. Instead of forgetting previous learning, pupils continually revisit and retrieve prior learning from their memories.

Most homework set will be linked to all/some aspects of the organiser. This might be to learn keyword spellings or to write an extended response that uses some/all of the knowledge from the organiser. Here are some strategies that might help you to do this.

- *Read through the organiser with your son/daughter – if you don’t understand the content then ask them to explain it to you – ‘teaching’ you helps them to reinforce their learning.*
- *Test them regularly on the spellings of key words until they are perfect. Make a note of the ones they get wrong – is there a pattern to the spelling of those words?*
- *Get them to make a glossary (list) of keywords with definitions or a list of formulae.*
- *Read sections out to them, missing out key words or phrases that they have to fill in. Miss out more and more until they are word perfect.*

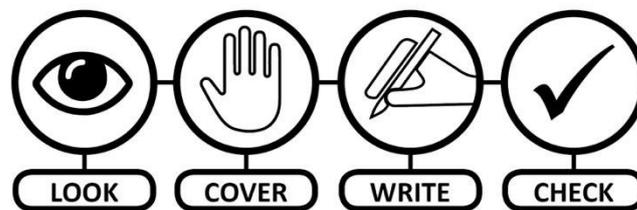
We would recommend that pupils spend thirty minutes per homework learning the knowledge detailed in the organiser. A video on using knowledge organisers can be found at the following link: <https://youtu.be/lKPYnjzJOfU>

Knowledge Organisers – Guidance for Pupils

At the start of every 1/2 term, you will be given a knowledge organiser booklet, containing a KO for every subject. These will show you the exact facts, dates, events, characters, concepts and precise definitions that we need you to remember for that topic. Securing this knowledge base will allow you to develop your skills of understanding, analysis and evaluation in lessons more effectively.

You will also be supplied with a knowledge practice book, you will use this book to complete all your home works for all subjects.

How to use a knowledge organiser:



To do this, memorise a section of the organiser then cover up this part of their knowledge organiser, write it out from memory (in a black or blue pen), then self-check and correct any spelling mistakes, missing bits or mistakes (in a purple pen). This way, you will learn the most valuable knowledge in every subject by heart and free up space in their brain to develop your skills

We would recommend that pupils spend thirty minutes per homework learning the knowledge detailed in the organiser.

Your teacher will use low stakes testing to check your learning in your next lesson in the subject.

Home Learning timetable for year 7 and year 8

Day	Homework 1	Homework 2
Monday week 1	English	Art
Tuesday week 1	Maths	Music
Wednesday week 1	Science	Drama
Thursday week 1	RE	MFL
Friday week 1	History	
Monday week 2	Technology	English
Tuesday week 2	Maths	
Wednesday week 2	PE	Science
Thursday week 2	Computer Science	RE
Friday week 2	Geography	

Homework instructions

Monday 25 th February	<p>Design and Technology Design and Technology(p17) – Learn Health and Safety Rules for the workshop and when soldering. Understand how printed Circuit Boards are made both by hand and commercially. Be able to name and identify electronic components and their component symbols.</p> <p>Computer Aided Design:(p18) Be able to explain the abbreviations, CAD and CAM. Be able to describe and explain the advantages and disadvantages of using these systems both in school and commercially.</p> <p>Food:9(p19) Understand and be able to explain the Food Health and Safety Rules. Understand and be able to explain the term a balanced diet. Be able to identify key Vitamins & Minerals and understand their importance as essential nutrients for the body.</p>	<p>English</p> <p>(p5) Learn the definitions of ‘explicit’ and ‘implicit’ ‘select’ and ‘synthesize’. What is information? Read the extract given to you by your teacher. Find an example of explicit and implicit information. Read extract 2. Select an example of explicit information from it and write a sentence about how explicit information is evident in both extracts.</p>
Tuesday 26 th February	<p>Maths Use KO-1 (p7) in order to memorise key formulae of 2D shapes, FDP conversions and vocabulary in ready for low stakes testing this week. Including key times tables</p>	
Wednesday 27 th February	<p>PE Use the PE KO (p21) on the cardiovascular system to help you complete your homework that has been set on Doodle.</p>	<p>Science Respiration KO (p13): Look, cover, write and check lessons Section 1: Aerobic Respiration Section 2: Gas exchange system – you will need be able to annotate the gas exchange diagram</p>
Thursday 28 th February	<p>Computer Science Using the first box in the knowledge grid (p24) Programming and Algorithms, use Look – Cover – Write - Check to learn the basics of computer programming.</p>	<p>RE Learn the spellings and definition of the key vocabulary. (p15)</p>
Friday 1 st March	<p>Geography Look, cover, write, check for all key words and all case studies (Super Outbreak, Kirkby tornado, Typhoon Haiyan and Hurricane Katrina) (p2)</p>	
Monday 4 th March	<p>English Write a speech to be delivered at your year 8 assembly in which you try to persuade pupils to join your anti bullying group. (p5)</p>	<p>Art To be confirmed by your teacher (p20)</p>
Tuesday 5 th March	<p>Maths Use KO-2 (p8) in order to memorise key formulae of 2D shapes, FDP conversions and vocabulary in ready for low stakes testing this week. Including key times tables.</p>	<p>Music To be confirmed by your teacher (p22)</p>
Wednesday 6 th March	<p>Science Respiration KO (p13): Look, cover, write and check lessons: Section 3: Gas exchange</p>	<p>Drama To be confirmed by your teacher (p24)</p>
Thursday 7 th March	<p>RE Learn the spellings and definition of the key vocabulary. (p15)</p>	<p>MFL (p16) The section on where did you og. Learn the words. Look, cover, write, check. Use the words you have learnt to help you to answer the final set of questions.</p>
Friday 8 th March	<p>History Focus on Section A: The campaign for suffrage (p3). Look, cover, write, check (and correct) all keywords (1-17). key individuals (18-21) and the timeline (22-31).</p>	

Monday 11 th March	<p>Design & Technology</p> <p>Design and Technology: (p17) Be able to identify and explain what a polarised component is. Understand the function of key electronic components within a circuit. Be able to explain the term alloy and provide examples of alloys Understand why soldering is not used for modelling circuits.</p> <p>CAD & CAM: (p18) Be able to identify Pro Desktop drawing and modification icons. Be able to identify the difference between first and third angle projection. Understand and explain the purpose of an engineering drawing.</p> <p>Food: (p19) – Revise and be able to describe/explain the following cooking techniques; Rough Puff Pastry, Shaping, Rubbing in, All in One and Combining Flavours.</p>	<p>English</p> <p>- Compare how 3 ideas are shown (presented) in the two short extracts you are given by your teacher. (p5)</p>
Tuesday 12 th March	<p>Maths</p> <p>Use KO-3 (p9) in order to memorise key formulae of 3D shapes, FDP conversions and vocabulary in ready for low stakes testing this week. Including key times tables.</p> <p>Use KO-1 (p7) in order to memorise key formulae of 3D shapes, conversions and vocabulary in ready for low stakes testing this week</p>	
Wednesday 13 th March	<p>PE</p> <p>Use the PE KO on the cardiovascular system to help you complete your homework that has been set on Doodle. (p21)</p>	<p>Science</p> <p>Respiration KO(p13): Look, cover, write and check lessons: Section 4: Getting Oxygen – you will need to be able to annotate the diagram to show how oxygen is transferred into cells</p> <p>Section 5: Anaerobic respiration</p>
Thursday 14 th March	<p>Computer Science</p> <p>Use the boxes at the bottom of the knowledge grid: Sequencing – Variable – Iteration – Selection.</p> <p>Use Look – Cover – Write - Check to learn the difference between these programming constructs. (p24)</p>	<p>RE</p> <p>Create flash cards of main Jewish beliefs. (p15)</p>
Friday 15 th March	<p>Geography</p> <p>Flash cards of Saffir-Simpson Scale, Structure of hurricane, Hurricane Deaths and Enhanced Fujita Scale . (p1)</p>	
Monday 18 th March	<p>English</p> <p>Read the extract given to you by your teacher. What is your opinion of what you read? Do you agree or disagree with the writer? Can you explain why you feel this way? Can you use short quotes to support why you think like you do? Try to provide a quote for each different point of opinion you express. (p5)</p>	<p>Art</p> <p>To be confirmed by your teacher (p20)</p>
Tuesday 19 th March	<p>Maths</p> <p>Use KO-4 in order to memorise angle facts, FDP conversions and vocabulary in ready for low stakes testing this week. Including key times tables. (p10)</p>	<p>Music</p> <p>To be confirmed by your teacher (p22)</p>
Wednesday 20 th March	<p>Science</p> <p>Fluids KO (p14): Look, cover, write and check lessons: Section 1: The particle model</p> <p>Section 2: Changing states - You will need to be able to annotate the diagram on changing stated</p>	<p>Drama</p> <p>To be confirmed by your teacher (p23)</p>

Thursday 21 st March	RE Read the section on Shabbat and memorise why it is important to the Jews. (p15)	MFL The section on by and who with (p16) Learn the words. Look, cover, write, check. Use the words you have learnt to help you to answer the final set of questions.
Friday 22 nd March	History Focus on Section B: World War One (p4) . Look, cover, write, check (and correct) all keywords (1- 17). key individuals (18-21) and the timeline (22-28).	
Monday 25 th March	Technology	English Write a letter to your local newspaper arguing that there needs to be more facilities for teenagers in your local area. (p5)
Tuesday 26 th March	Maths Use KO-5 (p11) in order to memorise angle facts, geometrical conversions and vocabulary in ready for low stakes testing this week. Including key times tables.	
Wednesday 27 th March	PE Use the PE KO(p21) on the cardiovascular system to help you complete your homework that has been set on Doodle.	Science Fluids KO:(p14) Look, cover, write and check lessons: Section 3: Pressure in Fluids
Thursday 28 th March	Computer Science Use the Keywords box and Look – Cover – Write - Check to understand the meaning of the programming keywords.(p24)	RE Read the section on Passover and memorise why it is important to the Jews.(p15)
Friday 29 th March	Geography Flash cards of Formation of tropical storms, formation of tornadoes, high and low pressure, distribution of tropical storms, primary and secondary effects of tropical storms (p2)	
Monday 11 th March	English Learn the spellings of the key words titled 'terminology' on your reading KO. (p5)	Art To be confirmed by your teacher (p20)
Tuesday 12 th March	Maths Use KO-6 (p12) in order to memorise types of triangles and their properties, geometrical conversions and vocabulary in ready for low stakes testing this week. Including key times tables.	Music To be confirmed by your teacher (p22)
Wednesday 13 th March	Science Fluids KO (p14) : Look, cover, write and check lessons: Section 4: Floating and sinking Section 5: Drag	Drama To be confirmed by your teacher (p23)
Thursday 14 th March	RE Read the section titled 'Judaism' and memorise the main beliefs, where Jews worship and the importance of Shabbat. (p15)	MFL Final section: Look, cover, write, check. Use the words you have learnt to help you to write the final sentences (p16)
Friday 15 th March	History Look, cover, write, check (and correct) the keywords and timelines from both Section A: the campaign for suffrage and Section B: World War One. (p3 & p4)	