Year 8 Knowledge Organisers: Summer Book 2:

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.

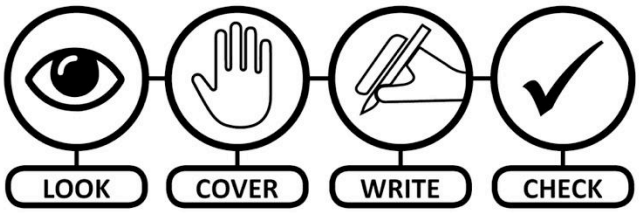
We would recommend that pupils spend thirty minutes per homework learning the knowledge detailed in the organiser. A video on using knowledge organisers can be found at the following link: https://youtu.be/IKPYnjzJOfU

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 3rd June	**English** KO (p8):Hero or Villain? Write a plan for a persuasive speech to be completed in class	**Art** To be confirmed by your teacher
Tuesday 4th June	**Maths** Maths 1: (p5) Read over key notes, memorising key words and definitions. Use Look, Cover write and check ready for low stakes testing	**Music** To be confirmed by your teacher
Wednesday 5th June	**Science** Force Fields KO 5: (p13)Look, cover, write and check Section 5: Electromagnets . Include a neat diagram of the electromagnet circuit	**Drama** To be confirmed by your teacher
Thursday 6th June	**RE** RE: (p15): Look, cover, write and check what are the causes of poverty.	MFL MFL: (p16)Practise and learn the names of the drinks. Look, Cover, Write, Check.
Friday 7th June	**History** Look at Knowledge Organiser Section C(p4): Nazi Germany. Use the Look, cover, write and, check method for the **keywords and their definitions (1-18) and key people (19-22).**	
Monday 10th June	**Design and Technology -Electronics:(p20)** Use KO to enable you to recall 5 Health and Safety Rules for the workshop and soldering. Use KO to enable to recall what the abbreviation PCB stands for. Use KO to enable you to fully explain the alloy solder and its use. **Design and Technology - Computer Aided Design:(p21)** 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. Use KO to help you to recall and accurately identify 5 Pro Desktop drawing icons **Design and Technology – Food: (p22)** Use KO to enable you to clearly explain five Food Health and Safety Rules. Use KO to enable you to understand and clearly explain the term; balanced diet. Use KO to enable you to be able to identify key Vitamins & Minerals and understand their importance as essential nutrients for the body.	**English** Explode the quotes in the assessment box in your homework book - you will write PEE paragraphs on them in class.
Tuesday 11th June	**Maths** Maths 2: (p6) Read over key notes, memorising key words and definitions. Use Look, Cover write and check ready for low stakes testing	
Wednesday 12th June	**PE** Use the PE Knowledge Organiser (p24) on the Skeletal System to help you complete the homework that has been set on Doddle.	**Science** Force Fields KO (13): Look, cover, write and check Sections 1, 2, 3, 4, 5 Write a detailed concept map (spider diagram) for the key learning on this knowledge organiser page The diagram should be neat and contain as much information as possible.

Thursday 13th June	**Computer Science** CS:(p19)Use Look, Cover, Write to learn the FEATURES OF A GOOD WEBSITE.	**RE** RE (p15)Look, cover, write and check why CAFOD do what it does.
Friday 14th June	**Geography** Geography (p1) Use look, cover,write, check method to memorise information on Structure of the Earth, Convection Currents and Plate Margins.	
Monday 17th June	**English** English:(p12) Revise the supernatural context box using lok, cover, write then create mind-maps or picture maps in preparation for a quiz you will be given in class.	**Art** To be confirmed by your teacher
Tuesday 18th June	**Maths** Maths 3 (p7):Read over key notes, memorising key words and definitions. Use Look, Cover write and check ready for low stakes testing	**Music** To be confirmed by your teacher
Wednesday 19th June	**Science** On a farm KO(p14) : Look, cover, write and check lessons: Section 1: Reactions in plants . Include a neat labeled diagram of a cell Section 2: Plant adaptations.Include a neat labeled diagram of a root hair cell	**Drama** To be confirmed by your teacher
Thursday 20th June	**RE** RE (p15)Look, cover, write and check why Catholics promote community cohesion.	**MFL** MFL (p17) Practise and learn the names of the different foods. Look, Cover, Write, Check.
Friday 21st June	**History** History (p4)Look at Knowledge Organiser Section C: Nazi Germany. Use the Look, cover, write and, check method for the **keywords and their definitions (1-18) and the timeline (23-32).**	
Monday 24th June	**<u>Design and Technology – Electronics:(p20)</u>** Use KO to enable you to identify and clearly explain the difference between a polarised and non-polarised component. Use KO and further research to enable you to understand the function of key electronic components within a circuit. Use KO to help you to understand why soldering is not suitable for modelling circuits. Use KO to recall and accurately spell the names of workshop tools and equipment. **<u>Design and Technology - CAD & CAM:(p21)</u>** Use KO to be able to identify the difference between first and third angle projection. Use KO to enable you to understand and explain the purpose of an engineering drawing. **<u>Design and Technology - Food:(p22)</u>** Revise and be able to describe/explain the following cooking techniques; Rough Puff Pastry, Shaping, Rubbing in, All in One and Combining Flavours.	**English** English (p12): Revise the key terms box using look, cover, write. You will be given an essay to write on Macbeth in class and you must use at least six of these terms.

Tuesday 25th June	**Maths** Maths 4 (p8):Read over key notes, memorising key words and definitions. Use Look, Cover write and check ready for low stakes testing	
Wednesday 26th June	**PE** PE (p24): Ensure you have completed the PE homework on the Skeletal System that has been set on Doddle.	**Science** On a farm KO (P14) : Look, cover, write and check lessons: Section 3: Plant products . Include copies of the labeled diagrams.
Thursday 27th June	**Computer Science** CS (19):Use Look, Cover, Write to learn the KEYWORDS for this web design unit.	**RE** RE (p15)Look, cover, write and check how Catholics promote community cohesion.
Friday 28th June	**Geography** Geography (p1) Use look, cover,write, check method to memorise information on Features of volcanoes, causes of earthquakes and causes of tsunamis,	
Monday 1st July	**English** English (p12): Revise the character description box using look, cover, write. Create picture or mind-maps. You will be given a quiz on this in class this week.	**Art** To be confirmed by your teacher
Tuesday 2nd July	**Maths** Maths 5 (p9): Read over key notes, memorising key words and definitions. Use Look, Cover write and check ready for low stakes testing	**Music** To be confirmed by your teacher
Wednesday 3rd July	**Science** On a farm KO (p14): Look, cover, write and check lessons: Section 4 : Growing crops . Section 5 : Farming problems.	**Drama** To be confirmed by your teacher
Thursday 4th July	**RE** RE (p15) Look, cover, write and check why every form of discrimination must be eradicated.	**MFL** MFL (p18) Read the questions and answers about eating and drinking habits. Use the answers to help you to write your own responses to the questions.
Friday 5th July	**History** History (p4)Look at **Knowledge Organiser Section D: The Civil Rights Movement in the USA.** Use the Look, cover, write and, check method for the **whole knowledge organiser.** This includes all **keywords and definitions (1-13), key people (14-16), and the timeline - dates and events (17-25).**	
Monday 8th June	**<u>Design and Technology: Electronics:(p20)</u>** Use KO to revise health and safety, electronic components, soldering along with tools and equipment in preparation for assessment. Be able to spell key words accurately. **<u>Design and Technology: CAD & CAM:(p21)</u>** Use KO to revise CAD/CAM, tools and equipment in preparation assessment. Be able to spell key words accurately. **<u>Design and Technology: Food:(p22)</u>** Use KO to revise health and safety, cooking techniques, the eat well guide and cutting methods in preparation for assessment. Be able to spell key words accurately	**English** Revise the persuasive techniques box using look, cover, write. Give an example of each technique in your homework book.

Tuesday 9th June	**Maths** Maths 6 (p10):Read over key notes, memorising key words and definitions. Use Look, Cover write and check ready for low stakes testing	
Wednesday 10th June	**PE** PE (24):Complete the self-assessment sheet on the sports you have performed this half term. This sheet has been shared with you on Google Classroom.	**Science** On a farm KO (p14) : Look, cover, write and check Sections 1, 2, 3, 4, 5 Write a detailed concept map (spider diagram) for the key learning on this knowledge organiser The diagram should be neat and contain as much information as possible
Thursday 11th June	**Computer Science** CS (p19)Use Look, Cover, Write to learn the URL COMPONENTS. See if you can apply it to a website you visit often.	**RE** RE (p15)Look, cover, write and check two facts for what are the causes of poverty, why CAFOD does what it does, why Catholics promote community cohesion and how taking part in a local group can promote this.
Friday 12th July	**Geography** Geography (p2)Use look, cover,write, check method to memorise information on Case Studies of Indian Ocean Tsunami and Japanese Tsunami.	