

HOMEWORK 2019-20

Knowledge Organisers



What are Knowledge Organisers?

- Knowledge Organisers contain the most important information you need to know for each of your subjects
- Learning these facts will help you to succeed in lessons

Music

The Elements of Music & Introduction to the Keyboard

The Notes on a Keyboard

C D E F G A B C D E F G A B

The notes on a keyboard run from A to G and start again, just getting higher in pitch.

Instruments of the Orchestra

Families

- STRING**
 - Violin
 - Viola
 - Viola da Gamba
 - Cello
 - Double Bass
- WOODWIND**
 - Flute
 - Oboe
 - Clarinet
 - Bassoon
 - Saxophone
- BRASS**
 - Trumpet
 - Trombone
 - French Horn
 - Euphonium
 - Tuba
- PERCUSSION**
 - Timpani
 - Snare Drum
 - Tom-toms
 - Cymbals
 - Bass Drum
 - Triangle
 - Xylophone
 - Bell
 - Gong
 - Chimes
 - Castanets
 - Maracas
 - Shaver
 - Castanets

Year 7

MATHS

Order of Operations

BIDMAS is an acronym used to tell you the correct order to complete an equation when there are different operations.

Brackets refers to any part of the equation that is in brackets. These should always be complete first.

Indices simply means to the power of. For example, 3^2 or 5^3 .

Division and Multiplication: Starting from the left work these out in the order that they appear. If multiplication appears first complete this before division.

Addition and Subtraction: Also start from the left and work these out in the order that they appear. If subtraction appears first complete this before addition.

Whole numbers and Decimals

Key buttons on your calculator

- $\frac{1}{x}$ Fraction button
- x^2 to square a number
- $\sqrt{\quad}$ Square root
- \rightarrow Change an answer to a decimal

Millions	Millions	Thousands	Units	Decimals
1000000	100000	1000	1	0.1
1000000000	100000000	1000000	1000	0.001

Multiplying

$\times 10$: digit move LEFT 1 space
 $\times 100$: digit move LEFT 2 spaces
 $\times 1000$: digit move LEFT 3 spaces

Dividing

$\div 10$: digit move RIGHT 1 space
 $\div 100$: digit move RIGHT 2 spaces
 $\div 1000$: digit move RIGHT 3 spaces

Graphics

Graphics Techniques

1 Point Perspective

- Decide where your vanishing point will be.
- Draw a 2D shape.
- Join each point of the shape to your vanishing point with a ruler.
- Add parallel lines to complete your shape.

Key Equipment

Keywords

Perspective: Perspective is what gives a three-dimensional feeling to a flat image such as a drawing or painting.

Illustration: An illustration is a decoration, interpretation or visual explanation of a text, concept or process.

Tone: Tone refers to how light or dark a colour or shade is.

Construction Lines: Lines which are lightly added to a drawing to help guide you to create the correct angles.

Typography: The style and appearance of writing.

Useful tools for Inkscape

- Selector
- Bezier Tool
- Rectangle Tool
- Type Tool
- Spray Tool
- Eraser Tool
- Paint Bucket Tool
- Gradient Tool

Religious Studies

Computer Aided Design - "CAD"

Any design computer! The CAD includes Architectural Games. I will have detail w render movies

Jon Burgerman

Jon Burgerman was asked what the worst piece of criticism he's received about his work:

"That it looks like a child has drawn it means, children often have amazing imaginations and their drawings are really loose, free and uninhibited: wish I could draw like that."

- Jon Burgerman is a British illustrat
- vibrant illustrations and mural
- He has been commissioned as
- muralists on walls in public plac
- He has also created illustrati
- campaigns with Pepsi, Coke, Puma, Nintendo, MTV, Levi's

The 5K's

- Kesh**: A steel bracelet worn by Sikhs as a symbol of commitment to truthfulness, strength, and unity.
- Kara**: A steel bracelet worn by Sikhs as a symbol of commitment to truthfulness, strength, and unity.
- Kandha**: A wooden comb called as a reminder to practice cleanliness. It is a symbol of hygiene and discipline.
- Kangha**: A wooden comb called as a reminder to practice cleanliness. It is a symbol of hygiene and discipline.
- Kachera**: Special underwear, resembling boxer shorts. Kachera is worn by Sikhs as a reminder to practice marital fidelity. It is a symbol of self control.

The symbol or emblem of Sikhism is known as the Khanda. It is made up of:

- The Khanda (representing belief in one God).
- The Chakkar (representing God without beginning or end) and
- Two crossed Kirpans (representing spiritual authority and political power)

Sikhism

Mool Mantra

There is One God Whose Name is True The Creator Without fear Without hate Immortal Beyond the cycle of birth and death Self-revealing As Grace

Mool Mantra

ਮਾਤਿਕਾ ਕਾਕੁ ਵੁਕੁ ਨਿਰਠੀ ਨਿਰੰਕਾਰ ਨਾਮੁ ਕਰਤਾ ਪੁਰਖੁ ਨਿਰਠੀ ਮੈਟੀ ਵੁਕੁ ਮਾਟਿ

Mool Mantra is the first few words uttered by Guru Nanak when he came out of a deep trance, after having disappeared into the river for three days. This occurs hundreds of times in the Guru Garbh Sahib Ji. It summarizes Sikh beliefs. It is taught to young children, and used by all Sikhs for prayer.

Vaisakhi and the Khanda

During the Vaisakhi in 1699 the 10th Guru of the Sikhs, Guru Gobind Singh Ji, tested the courage and faith of his followers. In front of crowds of people, he had held up a sword and asked if there were any volunteers who would give their lives for their religion. One after another, five men eventually came forward and joined the Guru in his tent. The crowds grew confused and uneasy. Then all of a sudden, the five men emerged from the tent alive – and wearing turbans. They are known as the Five Bhaiyas, which means "the beloved-sons." After they were baptised by the Guru, they were declared the first members of the Khanda. In modern society, the Khanda are devout members of the Sikh community who wear religious attire, especially the 5 K's. All Sikhs are expected to be Khanda or be working towards that objective.

Science

Terms

of a solid mixing with a solution

stance that dissolves in the solution

he solvent mix to form a solution

stance which can't dissolve in a solution

ng made up of just one substance

ng made up of more than one substance

More than 1 substance

CI: The Particle Model

Solids, liquids and gases - Particle model

- Solid**: Particles: Close, regular pattern Properties: Hard, fixed shape + volume
- Liquid**: Particles: Close, but free to move Properties: Flow, fixed volume, no definite shape
- Gas**: Particles: Spread out, free to move Properties: No fixed shape or volume

Filtration: Separates an insoluble solid from a liquid

Crystallisation: Separates a soluble solid from a liquid

Example: Separate sand + water

Products: Filtrate (Solid left on the filter paper) + Residue (Liquid that passed through the filter)

Example: Separate salt + water

Products: Crystals of the soluble solid (can be filtered). The liquid will evaporate.

What is the link with homework?

- Each night your homework will be to spend 20 minutes learning the information from the knowledge organisers for two subjects.
- In your Planner you have a schedule each week to show you which subjects you should do each night

The image shows two overlapping homework checklist forms. The top form is for September 2019, Week A, and the bottom form is for December 2019, Week B. Both forms include a calendar grid at the top, a table for subject assignments, a parent signature line, and a large box for additional information.

September 2019 - WEEK A

	Subject 1	Subject 2	Reading
Monday	English	Art	Reading
Tuesday	Maths	Technology	Reading
Wednesday	Science	Music	Reading
Thursday	History	Computing	Reading
Friday	Geography	Spanish/Mandarin	Reading

Parent signature _____

Additional information (optional homework/dates of upcoming assessments)

December 2019 - WEEK B

	Subject 1	Subject 2	Reading
Monday	English	Drama	Reading
Tuesday	Maths	PE	Reading
Wednesday	Science	Religious Studies	Reading
Thursday	History	Spanish/Mandarin	Reading
Friday	Geography	ASPIRE	Reading

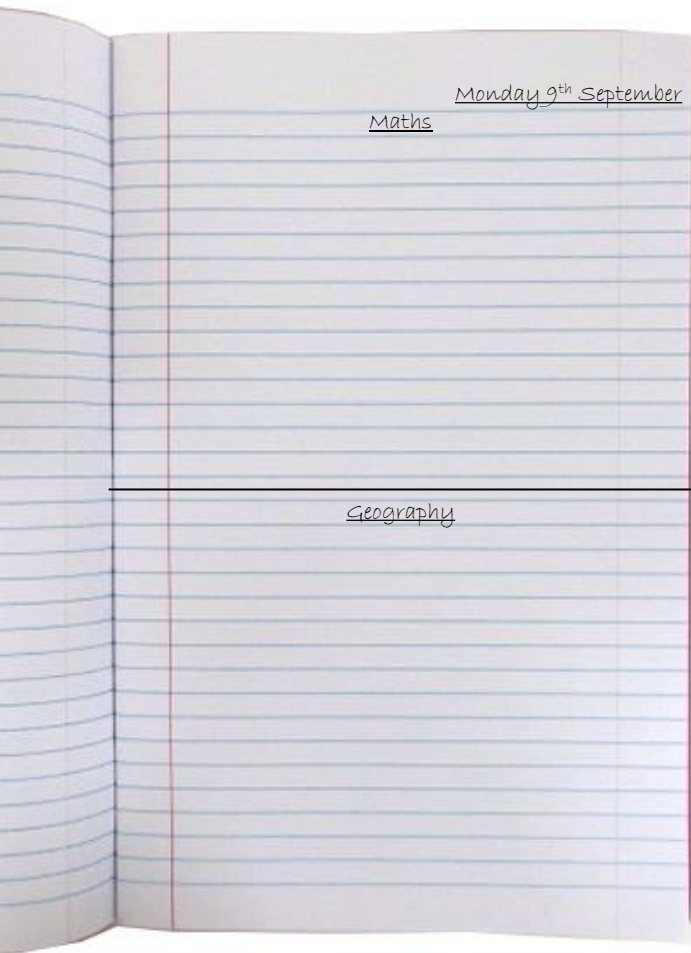
Parent signature _____

Additional information (optional homework/dates of upcoming assessments)

- You are also expected to read every evening

What do I need to do?

- Learning is an **active process**, just reading the information will not be enough



Each day, in your Knowledge Organiser book, you must write the date at the top and then draw a line to divide the page in half using a ruler.

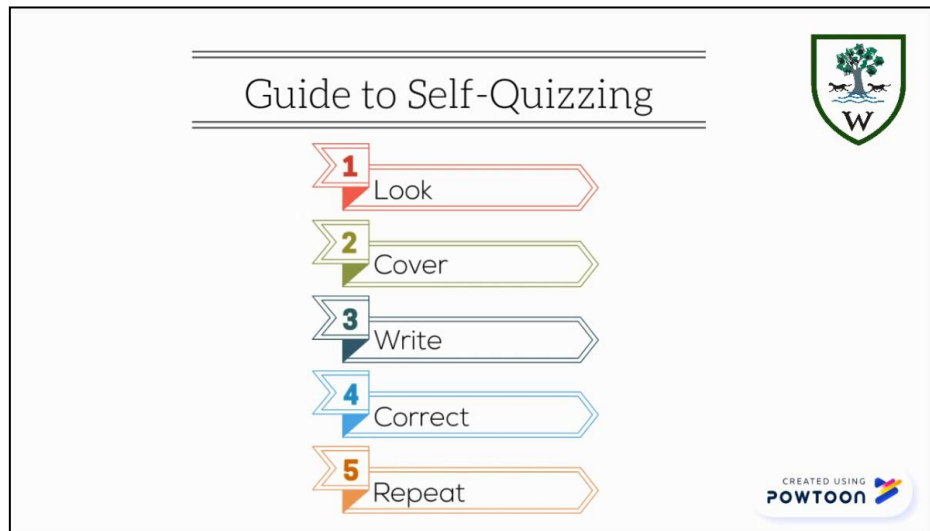
Use the top half of the page for one subject and the bottom half of the page for the other

There are lots of active ways you can learn the information. We are going to try a few of them now

METHOD 1

Look, Cover, Write, Correct, Repeat

- Watch the video which shows how to use this technique properly

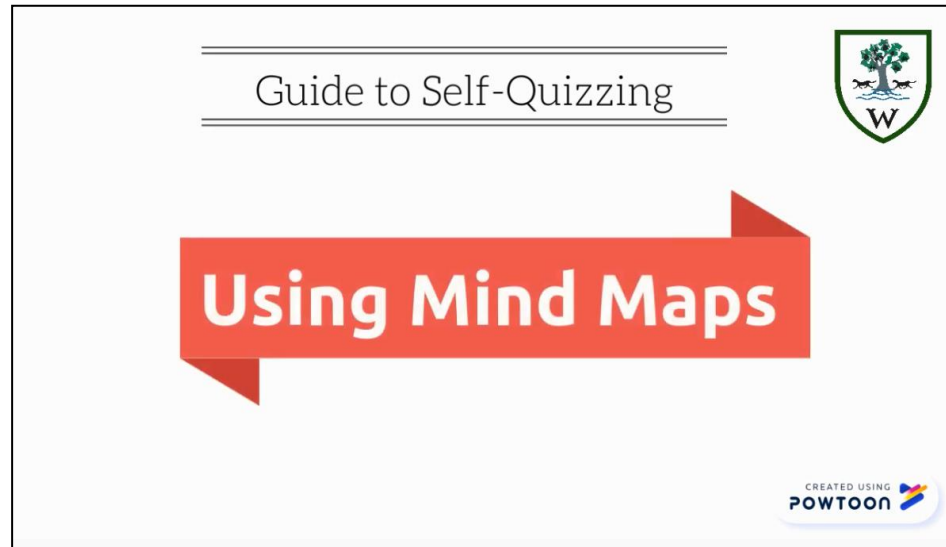


Now have a go at this technique using the **Science** Knowledge Organiser

METHOD 2

Using Mind Maps

- Watch the video which shows how to use this technique properly

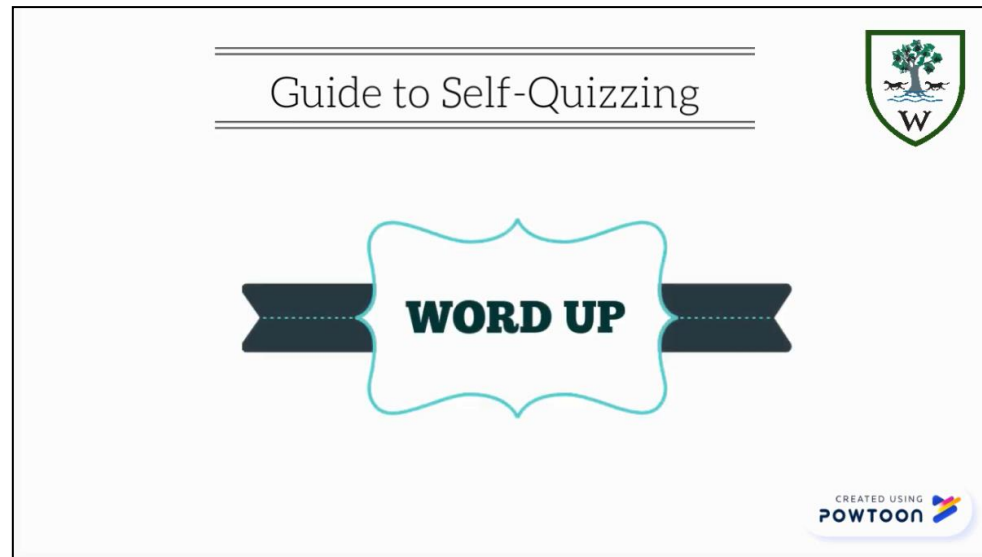


Now have a go at this technique using the **Textiles** Knowledge Organiser to see if you can remember all of the key words in each section

METHOD 3

Word Up

- Watch the video which shows how to use this technique properly

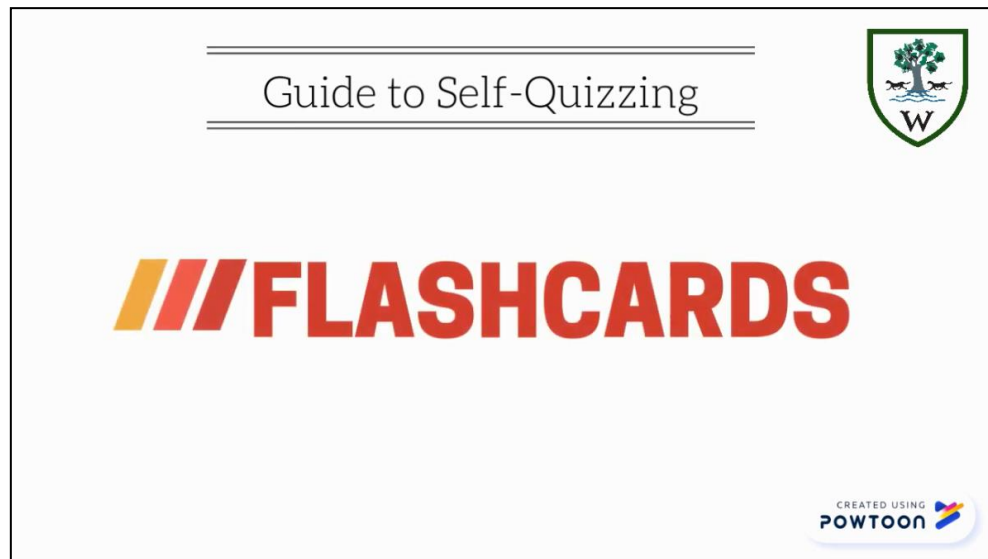


Now have a go at this technique using the **Music** Knowledge Organiser

METHOD 4

Flashcards

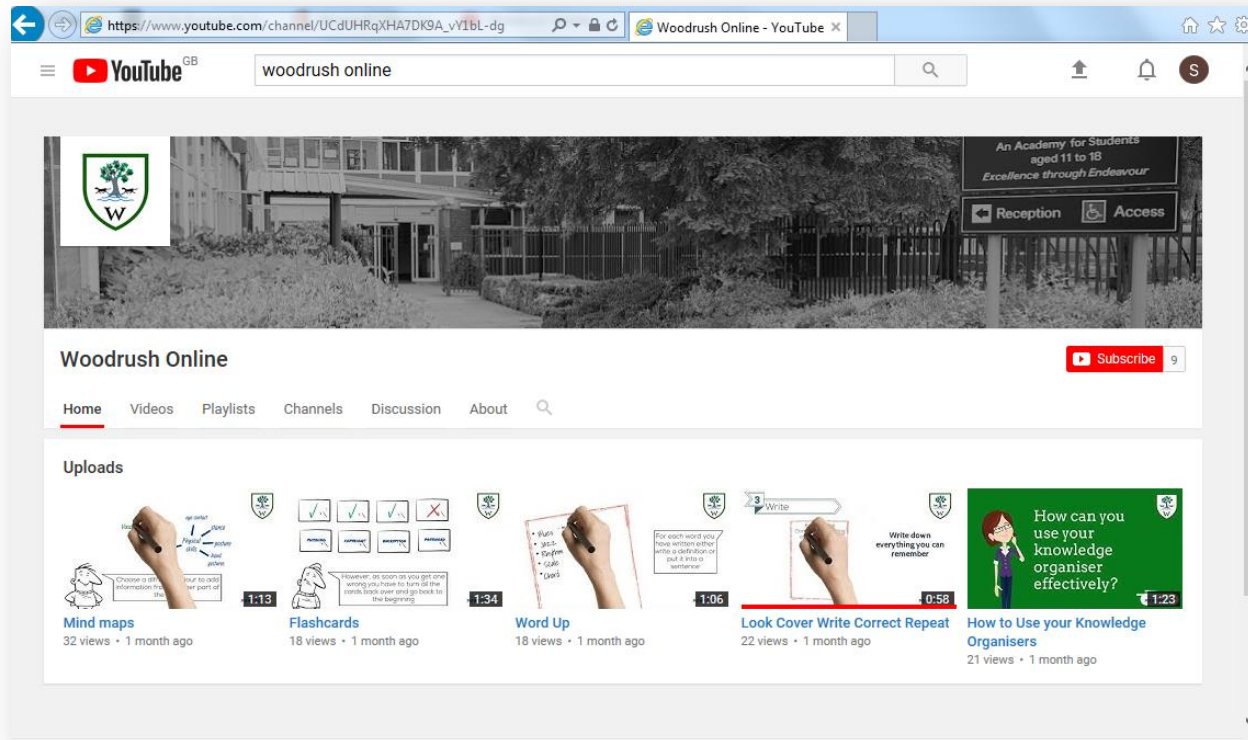
- Watch the video which shows how to use this technique properly



Flashcards are a great way to get someone at home to help you with your learning.

Where can I find these videos?

- All of the videos are on the school website or you can find them on the Woodrush Online YouTube channel



The screenshot shows the YouTube channel page for Woodrush Online. The browser address bar displays the URL: https://www.youtube.com/channel/UCdUHRqXHA7DK9A_vY16L-dg. The channel name is "Woodrush Online" and it has 9 subscribers. The channel banner features a school building and a sign that reads "An Academy for Students aged 11 to 18 Excellence through Endeavour" and "Reception Access". The channel navigation menu includes Home, Videos, Playlists, Channels, Discussion, and About. The "Uploads" section displays five video thumbnails:

- Mind maps**: 32 views • 1 month ago. Thumbnail shows a hand drawing a mind map.
- Flashcards**: 18 views • 1 month ago. Thumbnail shows a hand writing on flashcards.
- Word Up**: 18 views • 1 month ago. Thumbnail shows a hand writing on a piece of paper.
- Look Cover Write Correct Repeat**: 22 views • 1 month ago. Thumbnail shows a hand writing on a piece of paper.
- How to Use your Knowledge Organisers**: 21 views • 1 month ago. Thumbnail shows a woman speaking.

How will this be checked?

- You must have your knowledge organiser with you every day and tick off each subject in your planner as you do it.
- Once a week your form tutor will check that you have been doing your homework and making sure that a parent/carer has signed your planner to say that the work has been completed
- If you are struggling to do to the homework there will be after school session run to help you get back on track

SEPTEMBER 2019 WEEK A

Knowledge organiser homework checklist

	Subject 1	Subject 2		
Monday	English	Art		
Tuesday	Maths	Technology	Reading	
Wednesday	Science	Music	Reading	
Thursday	History	Computing	Reading	
Friday	Geography	Spanish/Mandarin	Reading	

Parent signature _____

- Most importantly you will be quizzed on the information during your lessons. If you haven't done the homework you will find your lessons more difficult

So is this the only homework I'm going to get?

- Sort of....
- In Maths you might be sometimes be asked to use an online program to practice some of the methods that are outlined in the Knowledge Organiser instead of writing in your book
- You may also be given the chance to complete **optional homework**. As the name suggests this is not compulsory and is a chance for you to do additional, interesting work for your subjects and gain lots of achievement points!

Key Points

- Each night you should spend 20 minutes learning the information from the knowledge organisers for 2 subjects as set out in your planner
- You should also read your book each night
- You must have evidence of your work in your knowledge organiser exercise book (reading the knowledge organisers is not enough!)
- Your learning of the information will be checked in your lessons
- Your parent/carer must sign your planner each week to confirm that you have been completing your homework
- You may be given optional homework to complete but this is not compulsory (but worth lots of achievement points!)

Any questions?

- If you have any questions pass them onto your teacher now and they will be answered in a later form time

