# Year 9 Knowledge Organiser

# Spring Term 2024/25

Name:

Form:



### Week 1/A

	Tutor Time	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	After School
Time							
Monday							
Tuesday							
Wednesday							
Thursday							
Friday							

### Week 2/B

	Tutor Time	Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5	After School
Time							
Monday							
Tuesday							
Wednesday							
Thursday							
Friday							

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### Spring Term

### Attendance and Absence

In cases of absence, parents are asked to contact the relevant year office as early as possible, giving details. The only acceptable reasons for absence are unavoidable ones such as illness. Appointments of all kinds should be made out of school time whenever possible.

### Punctuality

While some delays are unavoidable, pupils should be punctual to lessons. Anyone arriving late to school must report to the relevant year office and use the late system in order to get a mark. Late registration is an **unauthorised absence**.

### **Pastoral Support Contacts**

Telephone Number:

Email Address:

### **Term Dates Summary**

Autumn Term 2024						
Wednesday 4 Sept - Thursday 24 Oct 2024	Half-term: Monday 28 Oct – Friday 1 Nov 2024	Monday 4 Nov – Friday 20 Dec 2023				
Spring Term 2025						
Thursday 7 Jan - Friday 14 Feb 2025	Half-term: Monday 17 – Friday 21 Feb 2025	Monday 24 Feb – Friday 4 Apr 2025				
	Summer Term 2025					
Monday 23 Apr – Friday 23 May 2025	Half-term: Monday 26 – Friday 30 May 2025	Monday 2 Jun - Tuesday 22 Jul 2025				

My best subject is:

What I want to achieve this term:

School Login Details:

My extra curriculars this term:

### **Spring Term Calendar**

January 2025					
1	Wed	Xmas &			
2	Thu	New Year			
3	Fri	Break			
4	Sat				
5	Sun				
6	Mon	Staff Training Day			
7	Tue				
8	Wed				
9	Thu				
10	Fri				
11	Sat				
12	Sun				
13	Mon				
14	Tue				
15	Wed				
16	Thu				
17	Fri				
18	Sat				
19	Sun				
20	Mon				
21	Tue				
22	Wed				
23	Thu				
24	Fri				
25	Sat				
26	Sun				
27	Mon				
28	Tue				
29	Wed				
30	Thu				
31	Fri				

February 2025					
1	Sat				
2	Sun				
3	Mon				
4	Tue				
5	Wed				
6	Thu				
7	Fri				
8	Sat				
9	Sun				
10	Mon				
11	Tue				
12	Wed				
13	Thu				
14	Fri				
15	Sat				
16	Sun				
17	Mon	Half Term			
18	Tue	Half Term			
19	Wed	Half Term			
20	Thu	Half Term			
21	Fri	Half Term			
22	Sat				
23	Sun				
24	Mon				
25	Tue				
26	Wed				
27	Thu				
28	Fri				

### **Spring Term Calendar**

	Ν	/larch 2025
1	Sat	
2	Sun	
3	Mon	
4	Tue	
5	Wed	
6	Thu	
7	Fri	
8	Sat	
9	Sun	
10	Mon	
11	Tue	
12	Wed	
13	Thu	
14	Fri	
15	Sat	
16	Sun	
17	Mon	
18	Tue	
19	Wed	
20	Thu	
21	Fri	
22	Sat	
23	Sun	
24	Mon	
25	Tue	
26	Wed	
27	Thu	
28	Fri	
29	Sat	
30	Sun	
31	Mon	

		April 2025
1	Tue	
2	Wed	
3	Thu	
4	Fri	
5	Sat	
6	Sun	
7	Mon	Easter Break
8	Tue	Easter Break
9	Wed	Easter Break
10	Thu	Easter Break
11	Fri	Easter Break
12	Sat	
13	Sun	
14	Mon	Easter Break
15	Tue	Easter Break
16	Wed	Easter Break
17	Thu	Easter Break
18	Fri	Easter Break
19	Sat	
20	Sun	
21	Mon	Easter Break
22	Tue	
23	Wed	
24	Thu	
25	Fri	
26	Sat	
27	Sun	
28	Mon	
29	Tue	
30	Wed	

### **Homework Log and Parental Check**

Week 1	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 2	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 3	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 4	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 5	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 6	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 7	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

### **Homework Log and Parental Check**

Week 8	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 9	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 10	Subject 1	Subject 2	Signed
Monday		-	
Tuesday			
Wednesday			
Thursday			
Friday			
Week 11	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 12	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 13	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			
Week 14	Subject 1	Subject 2	Signed
Monday			
Tuesday			
Wednesday			
Thursday			
Friday			

### **Reading Log**

Use this reading log to keep a record of the books you read during the year. You should also use this reading log to record the books from the Reading Passport that you have read but make sure your tutor records them too.

Title and Author	Date	Starting Page	Last Page	Review and Test Score	Reading Log
					Teacher Initials
				-	
Title and Author	Date	Starting Page	Last Page	Review and Test Score	Reading Log
					Teacher Initials
Title and Author	Date	Starting Page	Last Page	Review and Test Score	Reading Log
					Teacher Initials

Title and Author	Date	Starting Page	Last Page	Review and Test Score	Reading Log
				-	Teacher Initials
				-	
Title and Author	Date	Starting Page	Last Page	Review and Test Score	Reading Log
					Teacher Initials
Title and Author	Date	Starting Page	Last Page	Review and Test Score	Reading Log
					Teacher Initials

### Year 9 Reading Passport

We have created a Reading Passport to inspire students to read some of the best literature available to them. Over the course of the year, we expect students to read as many of the texts included in the passport as possible.

If students manage to read seven or more books from this passport by the end of the year, they will <u>receive a certificate</u>. They can read other books and texts throughout the year and we encourage and support wider reading. Students can track which texts they have read using the tick boxes on the next page.

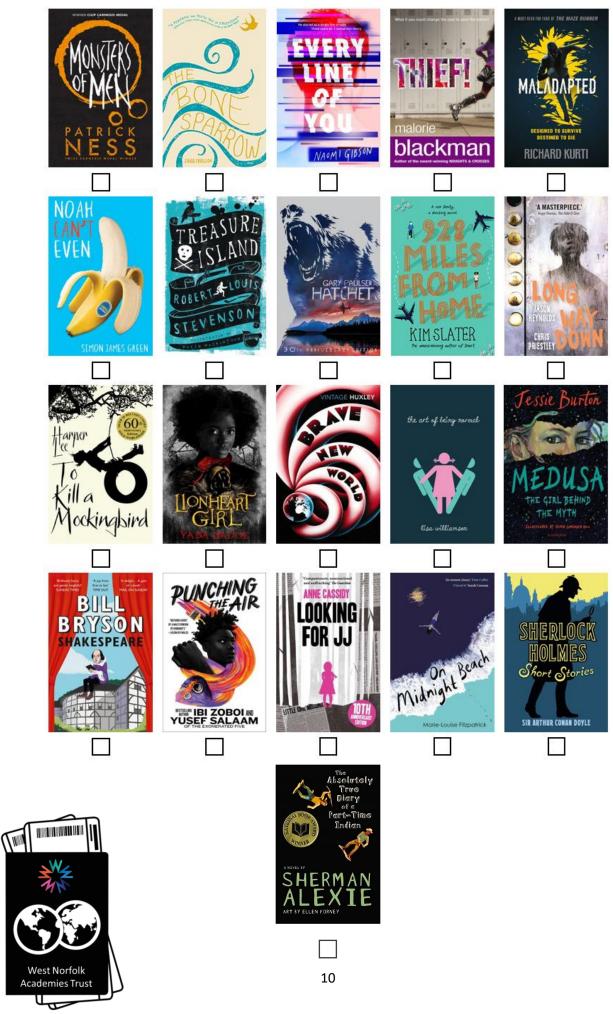
The books selected are fantastic examples of modern and classical literature, representing the best the world has to offer. Students can read these texts independently or they could listen to them as audiobooks. The important thing is to experience a variety of genres, authors and stories! We hope that all students will finish Year 11 having read at least thirty-five incredible books.

The easiest way to get hold of these books is from our school library where students can take them home to read. These texts can also be purchased from Amazon or from many local bookstores.

Whilst every care has been taken to check the suitability of the books included in our Reading Passport, we are aware that children mature at different rates. Therefore, we strongly recommend that parents discuss their child's reading choices to ensure they are appropriate for them.



### Year 9 Reading Passport



### Instructions for Using Your Knowledge Organiser

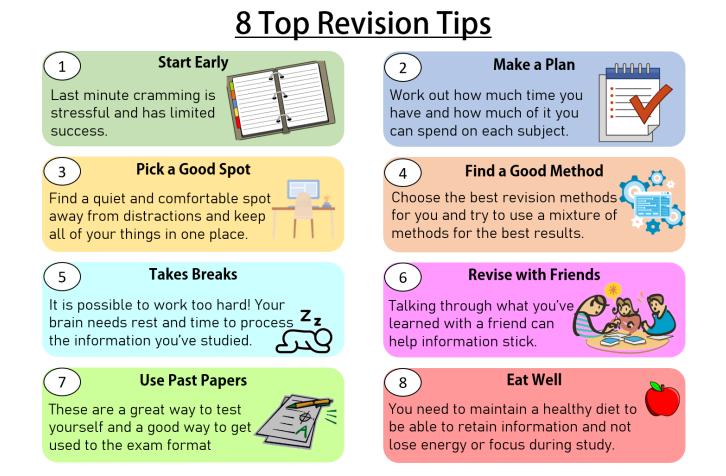
Every school day, you should study one to two subjects from your knowledge organiser for homework lasting at least one hour in total.

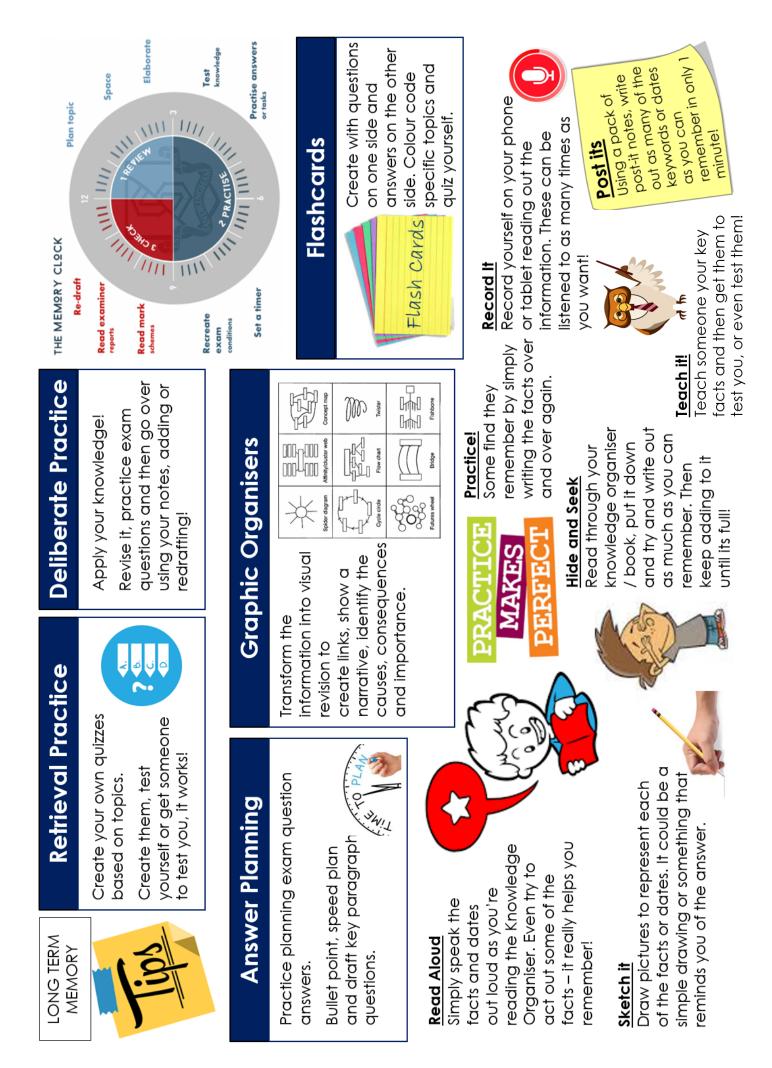
On pages 5 and 6 there is space for you to record the subjects you have studied to make sure you are giving equal time to all of them. Your parent should sign off your homework each evening on these pages.

Your parent should also sign your reading log on pages 7 and 8. You can use the note pages in this booklet to help with your studies.

You need to bring your Knowledge Organiser to school every day as it will be checked regularly during form time.

You will be regularly tested on knowledge contained in this booklet in your lessons and through quizzes on Show My Homework.





Year 9 Spring Term Knowledge Organiser

# Art – Observational Drawing – Pencil & Biro:

Observational drawing is drawing what you see. It's as simple and as complicated as that. It can be a flower, a person, a still life, a landscape whatever. But it's drawing what you see in front of you as realistically and as true to life as possible.

	Art Specific Language and Terms	Je and Terms	
Tone	The lightness or darkness of something.	Hatching	Closely drawn parallel lines to create tone.
Tonal Gradation	A visual technique of gradually transitioning from one colour/hue to another, or from one shade to another, or one texture to another.	Scaling up	A precise way to transfer and enlarge a small image.
Depth	Refers to making objects appear closer or further away and making a two-dimensional image seem three-dimensional.	Primary Source	Working from real life, a primary source is something that was created at the time of an event or by someone who was at an event or moment.
Proportion	The size relationship between different elements e.g. height compared to width.	Negative Shape	The empty or unfilled areas of a piece of artwork.
Composition	Where you place objects on the page.	Accuracy	The extent to which one piece of work looks like another.

# Examples of Biro/Pen Artists:

### Very Soft Dark Shading Choose the right pencil: B 2B 4B 6B £ т Very Hard Light Shading 4H 2H



Enam Bosokah

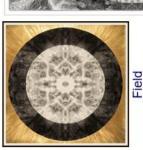
Samuel Silva

Year 9 Spring Term Knowledge Organiser

natural and man-made patterns can be regular or irregular, organic or geometric, structural There are two basic types of pattern in art: Natural Pattern and Man-Made Pattern. Both have different significance depending configuration of symbols or patterns often in a circular shape. Mandalas on the religion they relate to. A mandala is a geometric or decorative, positive or negative and repeating or random. Art Specific Language and Terms Mandala Drypoint is a printmaking technique of the scratched into a plate with a hard-pointed 'needle" or sharp metal tool. Ink is then removed, before printing onto damp rubbed onto the surface, excess ink intaglio family, in which an image is paper using a printing press. Art – Pattern within Art: **Drypoint Printing** (Etching)

# Dan Hillier:

A London based contemporary artist who makes collages, screen prints and ink drawings using a mixture of found imagery and his own imaginings. His work is born out of a passion for line work and collage, a love of archaic imagery and an urge to produce pictures that provoke humour, wonder and a certain subconscious recognition in the viewer.







### Iranian Mosques Visual inspiration:

including architectural art and pattern.

Islamic art encompasses the visual arts produced in the Islamic world,

Islamic Art

A printing press is a device for applying

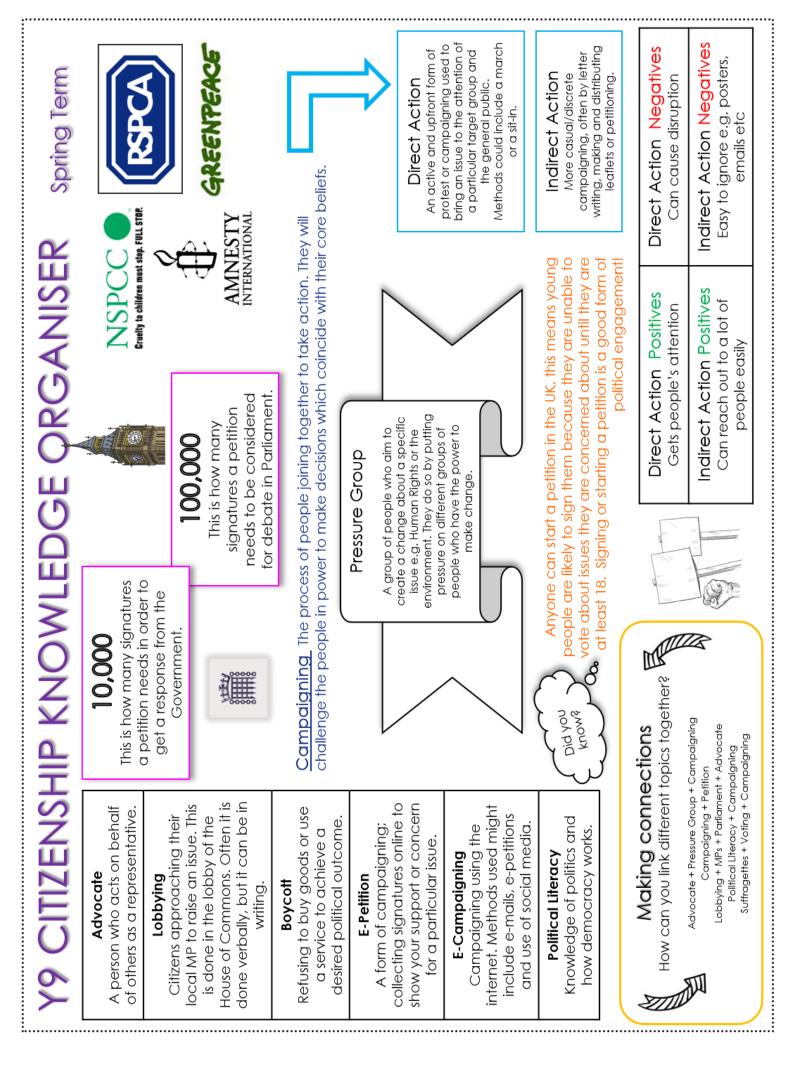
pressure to an inked surface, therefore allowing the ink to transfer to the paper.



Temple of the way of light

Luna

**Printing Press** 



<b>Y9 CITIZENSHIP KNOWLEDGE ORGANISER</b>	OCE ORGANISER Spring Term	_
Pressur	ressure Groups The right to vote	
	CASE STUDIES op the War Coalition &	
Key Facts The S	The Suffragettes Key Facts	cts
Aims to prevent and end war everywhere and to stop unnecessary use of weapons. Established in 2001 to campaign against war in Afghanistan and Iraq.	Aimed to gain equal voting rights for all women The WSPU was established in 1903 and campaigned until all women were free and equal to vote in 1928.	28 al nd 28 al nd
Example of Action Taken Stop the War Marches 2003	Examples of Action Taken	ken
Held a march to demonstrate One of the biggest marches in UK history Over 1 million people were thought to have attended	Parliament rejected every bill to give women the vote. Male members held strong views about the weakness of women which they believed wouldn't allow women to vote.	ale nen ote.
rarr or a worra-wide series or marches which also took place in places like Tokyo & Sydney The UK and the US, along with some support from other countries, invaded Iraq	As part of their protests they let off bombs, smashed shop windows and set fire to churches - which meant they weren't popular with everyone. Many thousands of men and women all over the country were involved in the movement.	en't en't all
Example of Action Taken Conflict in Syria 2013	They also Disrupted Parliament, chained themselves to railings, held	0 
Military action in Syria didn't go ahead from the UK A range of action was taken – demonstrations, marches, rallies etc took place to show discontent with invading Syria	huge, marches and demonstrations, attacked politicians, set post-boxes on fire, slashed paintings and went on hunger strike when they were arrested.	set rike ed.
MP's voted against the government regarding invading Syria The PM wanted to invade Syria based on potential chemical weapons Stop the War took this as a victory as the invasion didn't go ahead	In 1918, the Representation of the People Act gave the vote to all men over the age of 21 and women over the age of 30 who were householders or married to a householder. In 1928, women over the age of 21 were given the same voting rights as men.	e to vho der. ing en.

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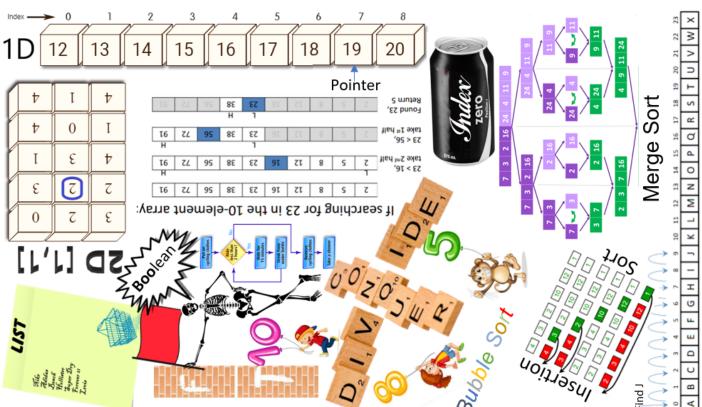
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Database	A database is a collection of information that is organized so that it can be easily accessed, managed and updated.	Computing - Knowl	Computing - Knowledge Organiser - Unit 9.3
Field	Single item of data about a single record in a database.	Dat	Database Task
Record	Collection of fields that represent a single entity, such as a person.	Research and c	Research and complete the table below
- - - -	In databases, a collection of records representing a type		
Uatabase lable	of item.	What is a Flat File Database?	
Data Types	Text e.g. S Jones, Number e.g. 4,6, Currency e.g. £3.00, Boolean e.g. True/False Yes/No, Date e.g. 12/12/2012	What is a Relational Database?	
Flat File Database	A Database where all of your data is stored in one large table.	What is a Key Field?	
Relational Database	Database containing multiple related tables.		
Key Field	Field which contains a different value for every record in that table.	What is Validation?	
Primary Key	Acts as a unique identifier.	What is Verification?	
Validation	An automatic computer check to ensure that the data entered is sensible and reasonable.	Why is a Query used?	
Verification	Checks that the data entered exactly matches the original source.	Why are Forms used?	
Queries	Method of extracting data from a database that matches specific criteria.	What is the purpose of a Report?	
Forms	Forms are used to enter data into a database. This is only required if the database needs a user to enter data.	What is the purpose of a Mail Merge?	
Report	A database report is a report created from a culmination of queried data visualized for the purposes of analysis and decision-making.	What is Normalisation?	
Foreign Key	Database field whose sole purpose is to form part of a relationship with another table.	What is a Foreign Key?	
Mail Merge	The automatic addition of names and addresses from a database to letters and envelopes.		

# Computer Science – Python Keywords

A static (fixed size) data structure (a storage format), which can store multiple items data, of the same datatype, under a single identifier (name) E.G. Array = [1, 2, 3, 4, 5]. A section in an array or list that can store one piece of data.	nat), which can store multiple items of fier (name) E.G. Array = [1, 2, 3, 4, 5] see of data.
An array, which contains a single list of data items, each being identifiable using a single number index. Think of this like a single row in Excel.	ns, each being identifiable using a single xcel.
An array, which contains multiple lists of data items, each being identifiable using an index made up of two numbers, one to identify the Array and the other to identify the element within that array. Think of this like a Spreadsheet in Excel.	ims, each being identifiable using an index ay and the other to identify the element t in Excel.
The first element in an array is obviously Poistion1, however, the Computer considers index 0. Position 2, therefore, is index 1, and so on.	11, however, the Computer considers it on.
A Python List is similar to an array, it is, however, more flexible. Python Lists can store data of any type at the same time. E.G. List = [ 1, "two", 3.0]	more flexible. ne time. E.G. List = [ 1, "two", 3.0]
Python lists are Dynamic. We can add elements to them using: List.append( data ) # Add the data item to the end of the existing list. List.insert( index, data ) # Inserts the data into the list at a given index. (Position)	o them using: d of the existing list. e list at a given index. (Position)
Python lists are Dynamic. We can delete elements from them using: List.remove( data ) # searches for the <b>first instance</b> of data specified and removes it. List.pop( index ) # returns and data and deletes the element at the given location.	. from them using: e of data specified and removes it. e element at the given location.
Python list can easily be sorted or reversed using: list.sort() and list.reverse()	list.sort() and list.reverse()
A set of steps/instructions needed to complete a complex software task	omplex software task.
A pass is one iteration of an algorithm (that contains a loop)	ns a loop).
The list is repeatedly divided into two halves, with the half without the search criteria being discarded, until all elements have been checked or the search item is found.	the half without the search criteria ked or the search item is found.
Normally a Boolean variable, called a truth bit. It is used a reference (flag) to see something has changed during the last iteration of an algorithm.	s used a reference (flag) to see if f an algorithm.
Are normally an Integer variables used to point to parts of an array or list. Normally the lowest point, mid point and end point. They are used to keep track of where you are at.	parts of an array or list. Normally the sed to keep track of where you are at.
A sequential method of searching for an item in a dataset. This is done by systematically checking each item in order until every element has been checked or item is found.	dataset. This is done by systematically as been checked or item is found.
A method of searching for an item in a <b>sorted</b> dataset. It compares the middle element within the search criteria, discards the half that does not include the search criteria, repeatedly until the item is found. If the midpoint falls between two elements, the <b>right</b> is always chosen.	sset. It compares the middle element les not include the search criteria, falls between two elements, the <b>right</b> is
A method of sorting a set of data by repeatedly comparing data items with previous items in a dataset, before inserting them into the correct position.	mparing data items with previous items t position.
A method of sorting a set of data by repeatedly comparing data items with previous items in a dataset, before inserting them into the correct position.	omparing data items with previous items of position.
A method of sorting a set of data by splitting the dataset up into its individual items and then continually pairing items from the dataset in order until the entire dataset has been ordered. If the midpoint falls between two elements, the <b>left</b> side gets the extra.	dataset up into its individual items and order until the entire dataset has been nts, the <b>left</b> side gets the extra.



# Year 9 Dance Knowledge Organiser: Movement Components

turning, elevation, gesture, stillness, use What a dancer does e.g. travelling, of body parts, floor-work and the transference of weight. Actions -

The "where" of movement such as levels, directions, pathways, shapes, designs and patterns. Space -

### Dynamics -

The qualities of movement based upon variations in speed, strength and flow.

The ways in which dancers interact; the connections between dancers. Relationships –

# Actions

Categories:

- Travel
  - **Elevation**
- Gesture
- Use of Different Body Parts •
- Floor Work
- Transfer of Weight

# Examples:

- Roll
- Walk Leap
- Hi-five
- Pirouette

- traced in space (on Pathways: Designs
- the floor or in the air). Levels: Distance from
  - **Directions: The facing** the ground.
    - of a movement.
      - Size of Movement
- Patterns
- **Spatial Design**



**Circular Pathway** 

# **Dynamics**

Categories:

- Sudden/Sustained Fast/Slow
- Acceleration/ Deceleration
- Direct/Indirect Strong/Light
- Flowing/Abrupt

# Examples:

- Strong
  - Soft
- Sharp
- Smooth
- Fluent

Low Level

Bg

Robotic Jerky



# Relationships

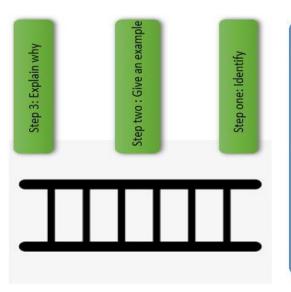
- front of another dancer and taking Lead and follow: One dancer is in
  - Mirroring: When dancers imitate them around the space.
- each other facing one another.
- E.g. dancer 1 punches dancer 2 and dancer moves in consequence to it. performs a movement and another Action and reaction: One dancer dancer 2 ducks.
- and others join in at different times performs a series of movements Accumulation: When a dancer until all perform in unison.
  - actions or shapes that are similar Complementary: To perform
    - to but not exactly the same as another dancer's.
- Contrast: Movements or shapes that have nothing in common.
- Counterpoint: When dancers perform different phrases
- simultaneously.
- Contact: To touch another dancer Formations: Shapes or patterns
  - created in space by dancers.

- - Turn
- **Stillness**

- Categories:

Space

# Year 9 Dance Knowledge Organiser: Choreography Part 1



## analyse choreography and create Using movement components to a hypothetical choreography

# An example using actions:

Step three): I choreographed this to show that an explosion had occurred and the Step two) The dancer jumped in parallel facing the front and landed on the floor. Step one) I used the action of a jump in my choreography about war. dancer jumped in shock.

# An example using space:

Step two) Five dancers walk from upstage to downstage in a linear pathway then turn 90 degrees to the right to salute another solo dancer (the officer) standing downstage Step one) I used the pathways to show the theme of war in my choreography. right.

(Step three): I choreographed this to show that the armed forces usually walk in straight uniformed lines and that there is normally an officer in charge. They were separated in the space to show different hierarchies.









For example: Dancer 1 stands centre stage Dancer 2 repeats this movement 2 counts then right (space) into parallel and crouch after dancer 1 following behind them in the space. (This shows a lead and follow (space). They walk (action) forward left (action) quickly (dynamics) to the floor. Describe an opening for your dynamics and relationships. dance using actions, space, relationship).

Restrictions and limitations?

Inspiration for an idea or Stimulus

movement

Birds	
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Paper Birds is an innovative theatre company known for its socially engaged performances, blending verbatim theatre with multimedia elements to address contemporary issues. Founded in 2003, the company has gathered acclaim for its unique approach to storytelling and its commitment to social change.

Verbatim

Theatre

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Verbatim Theatre: Paper Birds use real-life narratives.

soundscapes, technology and physical theatre to Multimedia Elements: They incorporate video,

Physical Theatre: Paper Birds emphasises enhance storytelling.

convey emotions and narratives of the characters movement and body language in their shows to

interaction within their shows to get the audience Audience interaction: They use audience hinking and engaging change. and their story.

# **Artistic Methods**

Interactivity: Engages audiences directly artists, communities, and organisations Research and Development: Extensive **Collaboration:** Works with various research, including interviews and community engagement. to create performances.

through interactive and immersive

elements.

Videos there are usually 5 key ingredients that The Paper Birds have recognised that are prominent within each of their productions

Verbatim ÷

- Movement 5
- Character and Narrative ŝ
- Exposing the method 4 ŝ
  - Motif

Involves local communities in trafficking, addiction, class Community Engagement: resources for schools and Provides workshops and Educational Outreach: Social Justice: Human development phases. disparity, and more. Themes and Issues community groups. the research and

Physical Theatre





Paper Birds try to incorporate ways of heightening the A genre of theatrical performance that emphasizes A form of documentary theatre that uses the exact An element or layer to productions. This means that A form of theatre in which the audience is not a passive observer but an active participant in the the use of physical movement for storytelling. words spoken by people interviewed about a action. Many of these techniques hark back to The story that you tell to the audience. Definition particular topic. experience. Vocabulary Exposing the

Immersive

**Theatre** 

Varrative

method

currently happening in our society. Examples of some of breaking the fourth wall on stage., commenting on the Brechtian traits such as alienation effects; reminding the 3 audience that they are here in the theatre and interruptions or disagreements; breaking the action, these techniques we might include are; performer that the issues they see on stage are real issues scene staging or costume, non-acting, multirolling/swapping character, asides, etc.

sound or musical, or symbolic or visual recurring motifs. textual or language references, physical or movement, incorporated into the work and can take the form of A recurring idea, image or design. These are

# Practical tasks

÷

https://www.youtube.com/watch?v=lBAR1xmz-ww

Motif example

Name 5 key ingredient that are prominent in Paper Birds productions?

÷

N

YouTube

5

က် 4

Key Questions

What themes or issues do Paper Birds like to explore? Name three past productions from the Paper Birds?

Who founded the Paper Birds Theatre Company?

- includes the use of verbatim Design a non-naturalistic set scene about equality, that Create a script for a short and physical theatre.
  - communicate a theme or that uses symbolism to d

issue (e.g. Equality)

# **Urama- Godber**

Iohn Harry Godber OBE (born 18 May 1956) is an English playwright, known mainly for observational comedies. The Plays and Players Yearbook of 1993 rated him the third most performed playwright in the UK after William Shakespeare and Alan Ayckbourn. He has been creative di

lives of the people around him and working class people face. He aims particularly working class people who traditionally don't go to the to appeal to a diverse audience, One of his aims is to reflect the surrounds the challenges that so his subject matter often John Godber approach:theatre.

# Practical tasks

- techniques based on the school play Create a script using Godber's ground. Ļ,
- facial expressions and body language different character, using your voice, Practice creating/changing into ù

# Typical features of Godber's work

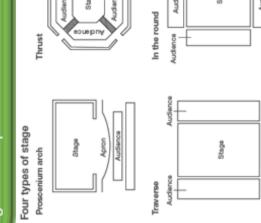
- Set in one location or around this ocation
- Actors must multi role
- imited set and props
- Stereotypes characters
- A main character plot but various sub plots
- Short snappy and episodic structure
- Serious over arching moral
  - Jse of humour Monologue
    - Stylised scenes
      - **Direct address**

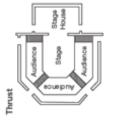
Narration.

FAMOUS PLAYS – TEECHER; BOUNCERS; SHAKERS; UP N UNDER; John Godber wrote over 70 Plays, many winning international

OUR HOUSE; APRIL IN PARIS

herefore, the majority of his plays are set in the characters. He was greatly influenced by his time failed his 11+ exam and this is a theme which he North West and are based around working class influence comes from the world around him, his own experiences and the people that he meets. <u>often explores in his work. Many conventions of</u> Teechers'. He has felt like an outsider since he props, changing characters on stage. These are Brecht can be seen in 'Teechers' – multi role-**INFLUENCES Godber claims that much of his** as a drama teacher, this is evident in his play play, direct address, music, minimal set and esigned to keep an active audience.









ector of the Theatre R	director of the Theatre Royal Wakefield since 2011.
Vocabulary	Definition
Coral Speech	Speaking as an ensemble, as one. Using pitch, tone and pace to build the climax and create an atmosphere.
Direct Address	Direct address is a theatrical technique where a character speaks directly to the audience, breaking the fourth wall. This method engages the audience as it creates a sense of immediacy and personal connection.
Multi-Role	When an actor plays more than one character onstage. The differences in character are created by changing voice, movement, gesture and body language but the audience can clearly see that the same actor has taken on more than one role.
Stereotypical Characterisations	Stereotypical describes an action or a characterisation that is oversimplified, widely imitated, or handed down by tradition.

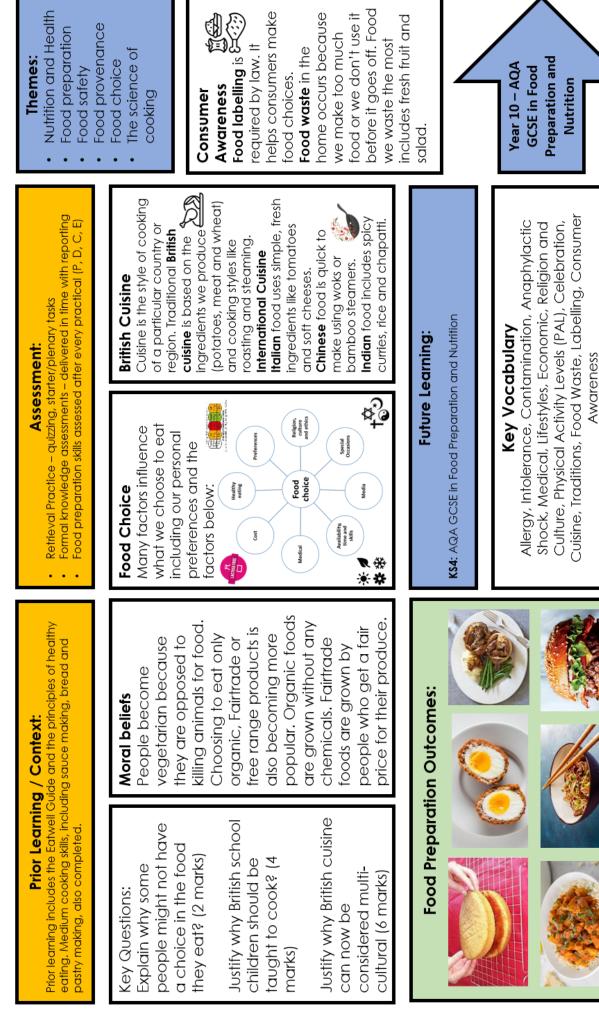
## Key Questions

- When was Bouncers originally written? ÷
- published both plays Bouncers and Shakers as Why do you think Godber has adapted and Bouncers Remix and Shakers Re-stirred in recent years? 2
- Do you think Godber's work is challenging for an actor? Explain your answer က်

<b>Structure</b> Core Text: <i>Heroes</i> by Robert Cormier	English
Structure refers to the organisation of information, ideas or to decide on the best order in which to tell the story. Overal characters.	n of information, ideas or events in a text. There is a standard structure of a story; however, the writer needs ch to tell the story. Overall, the structure of the text will shape the reader's response to the plot and the
Yocabulary         Character Arc         Character Arc         Cohesion         Cohesion         Compound Sentence         Flashback         Flashback         Foreshadowing         Form         Interrogative         Interrogative         Interrogative         Stream of         Consciousness         Structure         Verb Tense	<ul> <li>A. When the action in a sentence takes place</li> <li>a. When the action in a sentence takes place</li> <li>b. To interest someone in something and keep them thinking about it</li> <li>c. The shape or appearance of something; in poety the physical structure of the poem</li> <li>c. The shape or appearance of something; in poety the physical structure of the poem</li> <li>c. The structure of the poem</li> <li>c. In the organisation of information, ideas or events in a text involving events presented outside of the chronological sequence.</li> <li>f. Hints at key events presented outside of the chronological sequence in the text in the text.</li> <li>f. A style used to represent a character's feelings and thoughts as they organisation or structure.</li> <li>f. A style used to represent a character's feelings and thoughts as they organisation or structure.</li> <li>f. A style used to represent a character's feelings and thoughts as they organisation or structure.</li> <li>f. A style used to represent a character's feelings and thoughts as they organisation or structure.</li> <li>f. A style used to represent a character's feelings and thoughts as they organization or structure.</li> <li>f. A style used to represent a character's feelings and thoughts as they organization or structure.</li> <li>f. A store them, using long, continuous pieces of text without obvious organization or structure.</li> <li>f. A short part of a narrative that goes back to events in the past; a clear memory of a past event or time.</li> <li>f. A store chem using long, continuous pieces of text without obvious organization or structure.</li> <li>f. A short part of a narrative that goes back to events in the past; a clear memory of a past event or time.</li> <li>f. A store chem using long, continuous pieces of text without obvious organization or structure.</li> <li>f. A store chem using long, continuous pieces of text without obvious organization or structure.</li> <li>f. A store chem tor time.</li> <li>f. A store chem to make the pas</li></ul>
Check your answers:	Character Arc G; Cohesion E; Compound Sentence O; Engage B; Flashback L; Foreshadowing H; Form C; Fragment N; Interrogative I; Linear Structure M; Motif J; Nonlinear Structure F; Stream of Consciousness K; Structure D; Verb Tense A

<ul> <li>Ways in which the reader's response can be shaped by a nonlinear narrative structure:</li> <li>Questions posed at the start of the text may not be answered until later;</li> <li>A past event can be re-told using present tense for dramatic impact;</li> </ul>	Stream of consciousness helps to create realism; When the introductory characterisation does not align with details established at the beginning of the text, it heightens the sense of intrigue; Foreshadowing hints at key events that will occur later in the text, building anticipation for the reader; Motifs can act as a cohesive device across the text, representing a theme or character.		Task 2 - Preparing for a hot write. Write about a time when a character felt betrayed. Use a nonlinear structure to craft your narrative. Begin by planning: (a) character (b) how and why they felt betrayed (c) how you will use a nonlinear structure [hint - flashback!]	Task 3 - Find an example of interesting sentence structures from either Heroes or your independent reading book. Consider the impact of the writer's choices. These choices might include fragments, run-on sentences, dialogue or anything that appeals to you as a reader.
some effects of a nonlinear structure was	<ul> <li>A nonlinear narrative is one in which the events in a story are told out of order. This type of narrative usually starts in the middle of the story or conflict, then doubles-back to reveal the cause. Nonlinear narratives can mimic the recall of human memory, or demonstrate time travel. They often include:</li> <li>Flashbacks</li> </ul>	3, 1802 3, 1802 Task 1 - The poem on the left, 'Composed Upon' is a sonnet. What do you notice about the structure of this poem? Make notes	h the following: t uin	<ul> <li>Iambic Pentameter</li> <li>Iambic Pentameter</li> <li>In what ways does this poem fulfil the expectations of sonnet structure?</li> <li>These choices might include fratemeter</li> <li>These choices might include fratemeter</li> </ul>
plot Narratives sometimes ferent way / different	Resolution	r 3, 1802	and then research t 1. Sonnet 2. Quatrain 3. Volta 4. Rhyming	5. Iambi In what ways do expectations of
Freytag's Pyramid - A structure for plot Plot refers to the main events of a text. Narratives generally follow a similar pattern, but sometimes writers make choices to tell a story in a different way (using a nonlinear structure), for many different reasons and effects.	Climax Climax MDDLE	Composed Upon Westminster Bridge, September 3, 1802 a sonnet by William Wordsworth Earth has not anything to show more fair: Dull would he be of soul who could pass by A sight so touching in its majesty: This City now doth, like a garment, wear. The beauty of the morning: silent, bare.	Ships, towers, domes, theatres, and temples lie Open unto the fields, and to the sky; All bright and glittering in the smokeless air. Never did sun more beautifully steep In his first splendour, vallev, rock, or hill;	lt, a calm so deep! is own sweet will: ouses seem asleep; eart is lying still!
Freytag's Pyra Plot refers to the m generally follow a writers make choices (using a nonlinear reasons and effects.	Exposition	Composed Upon Westminster Bridge, Se <sub>1</sub> a sonnet by William Wordsworth Earth has not anything to show more fair: Dull would he be of soul who could pass l A sight so touching in its majesty: This City now doth, like a garment, wear. The beauty of the morning: silent. bare.	Ships, towers, domes, theatres, and temple Open unto the fields, and to the sky; All bright and glittering in the smokeless a Never did sun more beautifully steep In his first splendour, valley, rock, or hill;	Ne'er saw I, never felt, a calm so deep! The river glideth at his own sweet will: Dear God! the very houses seem asleep; And all that mighty heart is lying still!





Food Choice & British Cuisine	isine
There are many factors that influence food choice.	The staple foods of Britain are based on ingredients
Healthy eating – A range of reduced fat, sugar-free and low-calorie foods are now available because people are more aware of the link between health and eating a balanced diet.	Foods grown in Britain – Vegetables such as potatoes, onions and leeks grow well on UK farms. Fruits such as apples, plums and rhubarb also thrive. Herbs
<b>Religion and culture</b> – Many faiths have specific rules regarding food, for example, Jews do not eat shellfish or pork.	commonly used to mayour binish rood include minit, chives and sage. Food reared in Britain – Beef, Jamb, poultry and game,
<b>Special occasions</b> – Food can play a vital role in celebrations, religious festivals and special occasions, for example eating cake on your birthday or turkey at	pork, pacon and nam are popular. Dairy products, like cheese, butter, cream and yoghurt, are also made using the milk from dairy farms.
Christmas. Media – Food trends are always emerging and food	Food caught in Britain – As an Island nation, Britain has access to a wide range of seafood from white and oily fish to seafood such as crabs and lobsters.
Teenagers might be influenced by the media or their friends (peer pressure).	From these ingredients, British people have developed a number of sweet and savoury dishes. Many of the
Availability – Most of our food is available all year round but some foods are seasonal, such as soft fruits, which are only available in summer months if arown in	and vegetables. Many of the desserts include milk, butter, eggs and sugar in combination with fresh fruit
Medical - People with allergies and intolerances are not able to eat some foods because they cause	A national survey of British people identified the most popular British dishes. They included roast dinners, fish and chips, full English breakfasts, fruit crumbles, trifles and custard.
people should also adapt their diet due to medical conditions such as high blood pressure (low salt), diabetes (low sugar) and coronary heart disease (low fat).	Most British people adopt the eating pattern of three meals a day – breakfast, lunch and dinner. Afternoon tea has also become popular again as an occasional treat. It consists of a mid-afternoon snack consisting of small sandwiches, a slice of cake and cup of tea.
	As more people from other countries come to live in Britain, and there is greater opportunities to travel, our eating habits have changed. Many traditional dishes are being replaced by ones originating in other countries.





### French Y9 Spring 1 Vert: Ma vie en musique.

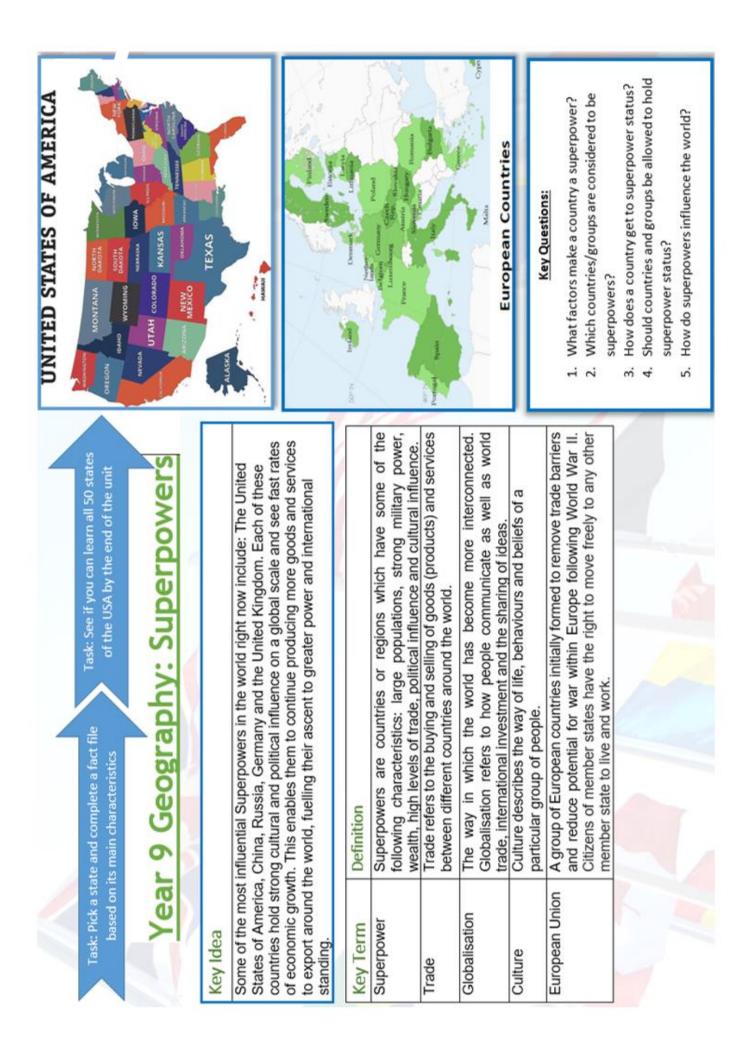
r renen 15 Spring i vert. Ma vie en musique.	
Est-ce que tu aimes la chanson? Do you like the song?J'adore/J'aime la chanson/ like/love the songJe n'aime pas/Je déteste/ don't like/hatela chanson/ don't like/hatela chansonbecauseparce que / carbecausele/a chanteur(-euse) estthe singer (m/f) isle rythme estthe singer (m/f) isla mélodie/chanson estthe melody/song isamusant(e) / démodé(e)fun/old-fashionedintéressant(e)/bon(ne)interesting/goodnul(le)/ennuyeux/ennuyeuse.rubbish/boring (m/f)Ma chanson préférée, c'estMy favourite song isJ'adore la musique de (Zaz).I love the music of (Zaz).J'écoute en streaming.I stream music.J'ai des playlists surI have playlists on mon portable.Mon portable.my phone.Ça me donne envie de danser.It makes me want to dance.J'adore les paroles.I love the songs.Je/ll/Elle jouei/he/she/play(s)du piano / du clavier. du saxo(phone)/du violon de la batterie/de la guitare. de la flûte/de la clarinette. de la trompette.flute/clarinet. trumpet.Je / II / Elle chante.I / he / she sing(s).	Je suis allé(e) à un concert!I went to a concert!Quand est-ce que tu es allé(e) au concert ?I went to a concert!Je suis allé(e)au concert ?I be us allé(e) au concert ?Je suis allé(e)au concert ?I went to the concert?Je suis allé(e)au concert ?I went to the concert?Ja samedi dernier.I went to the concert?J'ai a cheté un billet en ligne/ des souvenirs / un poster / un tee-shirt / une casquette /I went to the concert?J'ai retrouvé mes amis au stade.I boughta ticket online/ souvenirs/a poster/J'ai retrouvé mes amis au stade.I met my friends at the stadium.Qu'est-ce que tu as fait aussi ?What else did you do?J'ai pris beaucoup de photos.I took lots of photos.J'ai pris des selfies.I took selfies.J'ai i un coca.I didn't eat pizza.J'ai vu mon chanteur / ma chanteuse préféré(e), mon groupe préféré.I saw my favourite singer.Au concert ?En bus/en voiture/à pied.By bus / by car /on foot.C'était fontastique !It was fantastic!
Qu'est-ce que tu écoutes?What do you listen to?J'aime (beaucoup), etcI (really) likele hip-hop / le jazz / le rap /hip-hop/jazz/rap/le R'n'B / le reggae / le rock /R'n'B/reggae/rockla musique classique /classical music/la musique traditionnelle /traditional music/la techno/techno/toutes sortes de musique.all sorts of musicun peu de tout.a bit of everythingÀ mon avis,/Pour moi, c'est.In my opinion/For me, it iscool / relaxant / amusant /original / intéressant /original / intéressant /original/interesting/boring/rubbish.boring/rubbish.	La musique, c'est ma vie ! Music is my life ! Est-ce que tu joues d'un Do you play an instrument? Instrument ? Je joue de la guitare (etc.). I play the guitare (etc). Je chante, mais I sing but je ne joue pas d'un I don't play instrument. I don't play uinstrument. Uhat sort of music comme musique? Comme music comme musique? Comme field and the sort of music comme fiel
L'avenir The Future Qu'est-ce que tu vas faire ? Je vais visiter les États-Unis faire une tournée go on tour avec la chorale with the choir jouer du violin play the violin écrire un blog write a blog chanter toutes sorte de chansons sing all sorts of songs prendre beaucoup de photos take lots of photos être musicien(ne) be a professional professionnel(le) musician	Qui est ton chanteur ou ta chanteuse préféré(e)?Who is your favourite singer ?Mon chanteuse préféré(e)?Singer ?Mon chanteur/ma chanteuse preféré(e), c'estMy favourite singer is preféré(e), c'estEst-ce que tu es allé(e)Have you been to a a un concert récemment?Hier, je suis allé(e) à un concert Yesterday, I went to a de Drake. C'était fabuleux!Drake concert.Qu'est-ce que tu as fait,?What did you do,?J'ai joué avec mon groupe.I played with my group.J'ai joué au foot.I played football.Je suis allé(e) au cinéma avec mes amis.I went to the cinema with my friends.
Comparatives You use comparatives to compare two or more things. plus que = more than, moinsque = less than, aussi que = as as	J'ai mangé au restaurant avec ma famille. Past time expressions hier Hate in a restaurant with my family. Frequency expressions
Using different tenses. You use: the present tense to say what is happening <u>now</u> the perfect tense to talk about <u>single actions in the past</u> the imperfect tense to say <u>used to</u> or <u>describe</u> something in the past vouloir + infinitive to describe future plans	hierexpressionsyesterdayla semaine dernièrelastla semaine dernièrelastsouventweekparfoissometimesle weekendall the timel'année dernièrelastyearoccasionally

### French Y9 Spring 2 Vert: Le meilleur du monde.

Qu'est-ce qu'on mange à la cantine scolaire ?Dans le repas, il y aIn the meal, there isdu fromage/du laitcheese/milkdu pain/du rizbread/ricede la soupe/de la viandesoup/meatde l'eauwaterdes frites/des haricotschips/ beansdes légumes/des sandwichesvegetables/sandwichesdes pommes de terrepotatoesun fruit/un jus de fruitsa piece of fruit/fruit juiceC'est/Ce n'est pasIt is / It isn'tdélicieux / savoureux/delicious/tastysain / simpleMy favourite meal is	Est-ce que tu manges de la viande? Do you eat meat?         Je mange       I eat         du poisson/de la viande       fish/meat/         beaucoup de fruits et de légumes. lots of fruit and veg         Je bois du lait.       I drink milk.         Je ne mange pas       I don't eat         Je ne mange jamais       I never eat         de viande/de poisson       meat/fish/         de produits d'origine animale.       animal products.         Je ne bois pas de lait.       I don't drink milk.         Est-ce que tu es pour ou contre le véganisme?       Are you for or against veganism?         Je suis pour le véganisme.       I'm favour of veganism.
Sur la photo, il y a         un homme/une femme/       a man/woman/         un garçon/une fille       boy/girl.         Il/elle est       He/she is         au collège/à la plage/       at school/ at the beach/         /à la campagne.       in the countryside.         Il/elle porte       He/she is wearing         un tee-shirt/un gilet vert.       a t-shirt/a green hi-vis waistcoat.         Il/elle ramasse des déchets.       He/she is picking up litter.	C'est sain. It's healthy. La production de viande, Meat production is bad for c'est mauvais pour l'environnement. the environment. Manger les animaux, c'est cruel. Eating animals is cruel. Il y a beaucoup de vitamines There are lots of vitamins in dans la viande, le lait et le poisson. meat, milk & fish. La viande, c'est très savoureux. Meat is very tasty. Manger des animaux, Eating animals c'est normal. is normal.
Il fait beau/mauvais. The weather is nice/bad. Il pleut. It is raining.	Mission écolo ! Qu'est-ce qu'on a fait récemment pour aider l'environnement ? What have we done recently to help the environment ?
Action pour la nature!         Le panda géant / le tigre /       the giant panda/tiger         la tortue marine / l'ours polaire /       sea turtle/polar bear         le rhinocéros/le crocodile       rhinoceros/crocodile        habite      lives         dans la forêt/dans l'eau/       in the forest/in the water/         à la campagne       in the countryside.        est menacé(e) par      is threatened by         le changement climatique/       climate change/         la chasse/la pollution/       hunting/pollution/	J'ai ramassé les déchets. J'ai récycle du papier et du plastique. J'ai acheté des produits bio. Je suis allé(e) au collège à pied. On a utilisé moins d'énergie. On a organisé une campagne anti-plastique. J'ai récycle du papier <i>I recycled paper</i> <i>I recycled pa</i>
Ia déforestation.       deforestation.         Qu'est-ce qu'il faut faire pour protéger les animaux         menacés?         What must you do to protect endangered animals?         II faut       You must         ramasser les déchets       pick up litter.         recycler le papier et les bouteilles       recycle paper & bottles.         aller au collège à pied ou à vélo.       go to school on foot or by bike.         II ne faut pas       You must not         manger trop de viande.       eat too much meat.         utiliser trop d'énergie.       use too much energy.         laisser de sacs en plastique       leave plastic bags         sur la plage.       on the beach.	Je voudrais changer le monde Qu'est-ce que tu voudrais faire pour changer le monde? What would you like to do to change the world? Je voudrais I would like utiliser moins de plastique. to use less plastic. acheter moins de vêtements. to buy fewer clothes. manger moins de viande to eat less meat. organiser une campagne to organise an anti-litter anti-déchets. campaign. faire du travail bénévolé. to do voluntary work. être membre d'un to be a member of groupe écolo. a green group. Il faut aider les animaux menacés. help endangered animals protéger la planète. protect the planet. combattre le fight climate change.
Les opinions         Je suis pour       I am for         Je suis contre       I am against	changement climatique. aider les autres. <i>help others</i> .
À mon avis In my opinion Pour moi For me Je pense que I think that Tu es d'accord? Do you agree? Je suis d'accord. I agree. Je ne suis pas d'accord. I disagree. Je ne suis pas d'accord. I disagree.	Stratégie         I recycle       When learning new vocabulary, group words         I recycled       together to help you remember them:         I use       By meaning: e.g. du pain/du riz are foods.         I used       By word type: e.g. faire/manger/être are all

Tu rigoles ! You must be joking ! je ramasse *I pick up* j'ai ramassé *I picked up* 

verb infinitives. By word family: e.g. du plastique/en plastique/ anti-plastique all contain the word **plastique**.



Key Term	Definition		
Development	The process of change and improvement both economically and socially	cally and socially.	1
Standard of Living	The degree of wealth and material comfort available to a person or community.	a person or community.	
Quality of Life	The standard of health, comfort, happiness and wellbeing experienced by an individual or group	ig experienced by an individual or group.	
Biomes	A large community of plants and animals found in a major habitat. Examples found in Africa include rain- forests, deserts and savannahs.	or habitat. Examples found in Africa include rain-	And the second s
Desertification	The process by which land becomes drier and degraded	T	
Colonialism	The type of government where a geographic area is rule	area is ruled by a foreign power.	
Imperialism	Where countries impose influence through military force and economic force.	and economic force.	
Neo-colonialism	When former colonies influence countries through the economy and international relations	conomy and international relations.	and a state of the
			Kev Questions:
Africa is the second larg population of 1.1 billion.	Africa is the second largest continent in the world with 54 countries and a population of 1.1 billion.	Year 9 Geography	What is the physical and human geography of Africa?
Africa's Physical ( The surface of Africa is mainly composed rocks. It sits on the African tectonic plate	Africa's Physical Geography The surface of Africa is mainly composed of incredibly old, stable, hard rocks. It sits on the African tectonic plate.	Africa	what is causing desertimeation in Arricar How has colonialism affected Africa? What are the causes and consequences of rapid urbanisation in some African cities?
It has several major i	It has several major <u>river basins</u> including the Niger, Nile, Congo, Zambezi		
Africa has several <u>biomes</u> Africa has several <u>biomes</u> are distinctive areas of sir The Sahara Desert in Nor Sahel area south of the S the process by which lanc below average rainfall, so for firewood, over-use of I stock and overpopulation. Task: Research what bio	Africa has several <u>biomes</u> . The <u>biomes</u> are linked to <u>climate zones</u> which are distinctive areas of similar rainfall and temperature each year. <u>The Threat of Desertification</u> The Sahara Desert in Northern Africa is the largest desert in the world. The Sahel area south of the Sahara is under threat from <u>desertification</u> which is the process by which land becomes drier and degraded. It is caused by below average rainfall, soil erosion by wind and rain, clearing of vegetation for firewood, over-use of land for agriculture, overgrazing of land by live- stock and overpopulation. <b>Task:</b> Research what biomes are found in Africa and their characteristics.	The 1884-1885 Berlin Conference was a meeting of 14 nations who divided Africa amongst themselves. The UK was a colonial power ruling countries such as Ghana and Kenya until the mid-1900's. <u>Colonialism</u> is the type of government where a geographic area is ruled by a foreign power. <u>Imperialism</u> is where countries impose influence through military force and economic force. <u>Foreign Influence After African Countries Had Become Independent</u> In the twentieth century African countries became <u>independent</u> and started to govern themselves. Today former colonies influence countries through the economy and interna- tional relations. This is called <u>neo-colonialism</u> . Countries including China which is invest- ing heavily in Africa are keen to exploit Africa's <u>resources</u> (things which we use) including bauxite, uranium, diamonds, platinum, cobalt, oil, gas and timber.	g of 14 nations who divided Africa wer ruling countries such as Ghana and pe of government where a geographic where countries impose influence through tries Had Become Independent ne independent and started to govern untries through the economy and interna- bountries including China which is invest- resources (things which we use) including it, gas and timber.
	Hiiman Gaonranhu of Africa	Task: Find out which countries colonised different African nations.	ent African nations.
Africa has some of th improve standard of Africa's population is	Africa has some of the poorest countries in the world. It is attempting to improve standard of living and guality of life. Africa's population is growing rapidly in countries such as Nigeria where	Command words that you will use in this topic: Identify, state, describe, compare, explain and assess.	dentify, state, describe, compare, explain
birth rates exceed death rates. Task: Why might birth rates be	b <u>irth rates</u> exceed <u>death rates</u> . Task: Why might birth rates be higher than death rates?	Task: Find out the meaning of these words.	

### Y9 German – Spring Term 1

re cennun opring renn r	
1. Spielst du ein Instrument? Ich spiele (das) Keyboard / (das) Klavier (das) Saxofon / (das) Schlagzeug (die) Gitarre / (die) Geige (die) Trompete / (die) Klarinette Instrumente Ich spiele seit seit drei Jahren/sechs Monaten seit Juli/der Grundschule Keyboard/Geige/Gitarre. jeden Tag/einmal pro Woche/ am Wochenende/ab und zu. in der Schule/in einer Band.	Do you play an instrument? I play (the) keyboard / (the) piano (the) saxophone / (the) drums (the) guitar / (the) violin (the) trumpet / (the) clarinet instruments I have been playing for for three years/ six months since July/since primary school keyboard/violin/guitar every day/ once a week on the weekends/ now and then at school/ in a band
2. Was für Musik spielen sie? Ich glaube, sie spielen Rockmusik / R&B-Musik / Popmusik. Ich finde sie energiegeladen / begabt / originell monoton / zu laut Ich denke, ihr Look ist cool/modern/alternativ/ (alt)modisch	What type of music do they play? I think they play rock / R&B / pop music I find it/them full of energy / talented / original monotonous / too loud I think, their look is cool/modern/alternative/(old)fashionable
3. Comparatives To make comparisons add -er to the adject lauter – louder moderner – more modern älter – older länger – longer wärn	n <b>größer</b> – bigger kürzer – shorter
<ul> <li>4. Was habt ihr gemacht?</li> <li>Wir haben coole Bands gesehen.</li> <li>Ich habe viel gesungen und viel getanzt.</li> <li>Ich habe in einem Zelt geschlafen.</li> <li>Ich habe neue Freunde gefunden.</li> <li>Wir haben exotische Spezialitäten gegessen.</li> <li>Ich habe Souvenirs gekauft.</li> </ul>	What did you do? We saw cool bands. I sang and danced a lot. I slept in a tent. I made new friends. We ate exotic specialities. I bought souvenirs.
5. Wie war's auf dem Festival? Wie heißt du und Woher kommst du? Seit wann bist du hier? Was für Musik hörst du gern? Was ist deine Lieblingsband? Welche Bands hast du gesehen? Wie waren sie?	What is your name and where are you from? How long have you been here for? What type of music do you like listening to? Who is your favourite band? Which bands have you seen? What were they like?

Y9 German - Spring Term 2	
<ul> <li>1. Würdest du?</li> <li>Ich würde</li> <li>mit Haifischen schwimmen. / Extrembügeln machen.</li> <li>zum Mond fliegen./ Kakerlaken essen.</li> <li>den Mount Everest besteigen. / Zorbing machen.</li> <li>Ich bin</li> <li>abenteuerlustig / ängstlich/ feige</li> <li>kühn / mutig / verrückt / vorsichtig</li> </ul>	Would you? I would swim with sharks. / do extreme ironing. fly to the moon. / eat cockroaches. climb Mount Everest. / do zorbing. I am adventurous / fearful / cowardly daring / brave/ crazy / cautious
<ul> <li>2. Hast du ein Job?</li> <li>Was für einen Job hast du?</li> <li>Ich arbeite</li> <li>als Zeitungsausträger(in).</li> <li>als Babysitter(in). / als Trainer(in).</li> <li>als Bademeister(in). / als Hundeausführer(in).</li> <li>in einem Café/Supermarkt.</li> <li>Ich habe keinen Job,</li> <li>aber ich will als arbeiten.</li> <li>Wie findest du den Job?</li> <li>Ich finde den Job toll/furchtbar/interessant/</li> </ul>	Do you have a job? What type of job do you have? I work as a newspaper boy (girl). as a babysitter. / as a trainer. as a lifeguard. / as a dog walker. in a café/ supermarket. I don't have a job, but I want to work as How do you find the job? I find the job great/ terrible/ interesting/

langweilig/okay/nicht schlecht. Ich mag den Job (nicht), weil ...

er interessant ist. / er langweilig ist.

er Spaß macht. / er keinen Spaß macht. ich (nicht) viel Geld verdiene.

boring/ ok / not bad. I (don't) like the job, because... it is interesting. / it is boring. it is fun. / it is not fun. I (don't) earn money.

### 3. Was möchtest du machen? Ich möchte ... Schauspieler(in)/Sänger(in) werden. heiraten / Kinder haben. um die Welt reisen./im Ausland leben. bei (BMW)/für (Oxfam) arbeiten. auf die Uni gehen und ... studieren.

### 4. Arbeitsplätze

das Café/Restaurant/Hotel/Souvenirgeschäft die Skischule / Kinderkrippe / Piste der Berg / Wellnessbereich Ich arbeite im Moment ... als Zeitungsausträger(in)./als Bademeister(in). Ich möchte später ... Schauspieler(in) / Lehrer(in) werden. in der Skischule arbeiten. Ich würde nie ... im Souvenirgeschäft/als Küchenhilfe arbeiten.

What would you like to do? I would like to... become an actor (actress)/ singer. marry / have children. travel around the world. / live abroard. work at (BMW)/ for (Oxfam) go to uni and study .....

### Places of work

the café/ restaurant/ hotel/ souvenir shop the ski school / crèche / ski run the mountain / spa At the moment I work... as a newspaper boy (girl) / as a lifeguard Later I would like ... to become an actor (actress) / a teacher to work in the ski school. I would never work... in the souvenir shop/ as a kitchen help

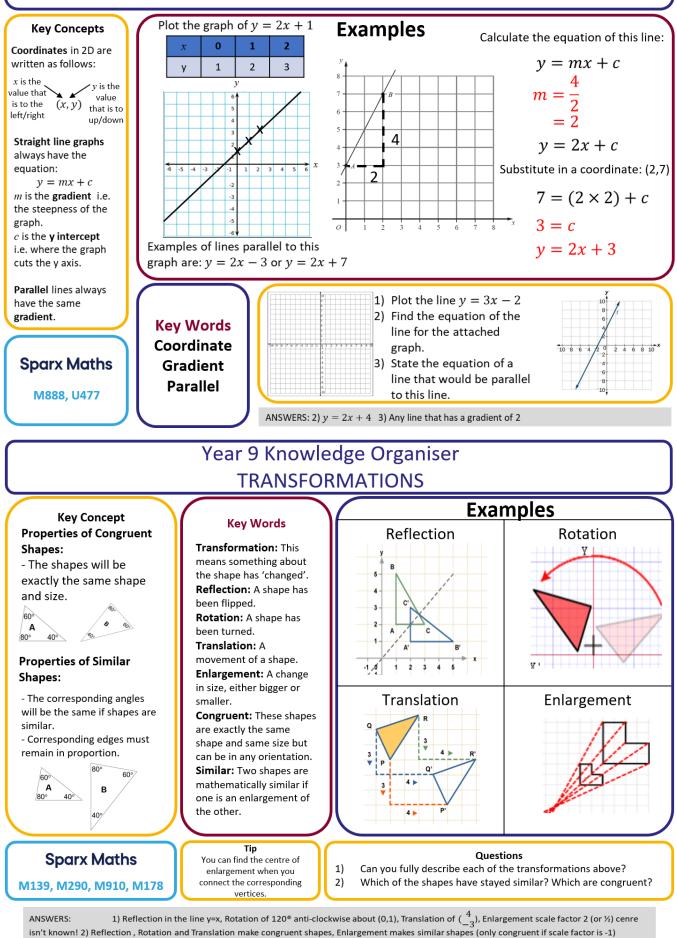
	Key Words and Concepts	Key People	Role	History Department
Anti-Semitism	Hostility to or prejudice against Jews.	Adolf Hitler	Leader of Germany 1933-1945	The Holocaust
Holocaust	The word 'Holocaust' comes from ancient Greek: 'holos' means 'completely' and 'kaustos' means 'burnt'.	Himmler	A leading member of the Nazi Party of Germany. Himmler was one of the most powerful men in Nazi Germany and a main architect of the Holocaust.	
Shoah	Hebrew word 'Shoah', which means catastrophe.	Goebbels	Minister of Propaganda of Nazi Germany.	
Aryan	(In Nazi ideology) a person of Caucasian race not of Jewish descent.	Johann 'Rukeli' Trollmoon	German Sinto boxer, who was discriminated against, marginalised, sterilised, and finally	
Synagogue	A Jewish place of worship.		deported to a concentration camp, where he was murdered.	
Sterilisation	Surgery to make a person or animal unable to produce offspring.	Hans and Sophie Scholl	A brother and sister who were members of the White Rose, a student group in Munich that was active in the non-violent resistance	Useful Websites/books/films/documentaries
Concentration	A place in which large numbers of people are deliberately imprisoned in a relatively small area		movement in Nazi Germany.	ntups://www.unenoiocaustexpiaineg.org/ https://www.bbc.co.uk/bitesize/guides/zkfk7ty/revisi
	with inadequate facilities, sometimes to provide		Chronology	<u>on/1</u>
		1290	Edict of Expulsion	https://www.bbc.co.uk/programmes/articles/4W3yzY
Death Camp	A concentration camp in which large numbers of	1933	Hitler comes to power	source or the constant of the second se
	prisoners are systematically killed.	1935	Nuremburg Laws	The Book Thief by Markus Zusak – Narrated by death.
Futhanasia	The act of deliberately ending a person's life.	1020	Kristalinacht	Fostered, with parents taken away, a young book thief
		1041	Germany Invades Poland	called Liesel lives in a community in Germany that
Ghetto	A part of a city, especially a slum area, occupied by a	1942	Wannsee Conference	death is visiting.
	minority group	1943	Sobibor uprising	Diary of a Young Girl by Anne Frank. The most famous
Final Solution	The Nazi policy of exterminating European Jews.	1945	End of WW2	diary from the Second World War.
	Introduced by Heinrich Himmler and administered by			,
	Adolf Eichmann, the policy resulted in the murder of		Common Misconceptions	ceptions
	b million Jews in concentration camps between 1941 and 1945.	European Jo Holocaust,	European Jewry made up a very small proportion of Europe's population. On the eve of the Holocaust, some 9 million Jews lived in continental Europe, or 2% of the total population.	European Jewry made up a very small proportion of Europe's population. On the eve of the Holocaust, some 9 million Jews lived in continental Europe, or 2% of the total population.
Einsatzgruppen	Paramilitary death squads of Nazi Germany that were resoonsible for mass killings, primarily by shooting.	Of these, th	Of these, the largest Jewish community was in Poland – about 3,250,000 Jews or 9.8% of the Polich nonulation. Germany's annovimately 565,000 Jews made up only 0.8% of its	and – about 3,250,000 Jews or 9.8% of 55 000 Jews made un only 0.8% of its
	during World War II.	population.		
Gestapo	The official secret police of Nazi Germany and in German-occupied Europe.	Hitler was r civilians etc	Hitler was not the only perpetrator of the Holocaust. SS officers, The Police, SA officers, civilians etc. can all be implicated in this event.	st. SS officers, The Police, SA officers,
Propaganda	Information, especially of a biased or misleading nature, used to promote a political cause or point of	The Holoca	The Holocaust did not trigger Britain's entry into WW2.	W2.
	view.	6 million Je	6 million Jews died during the Holocaust.	

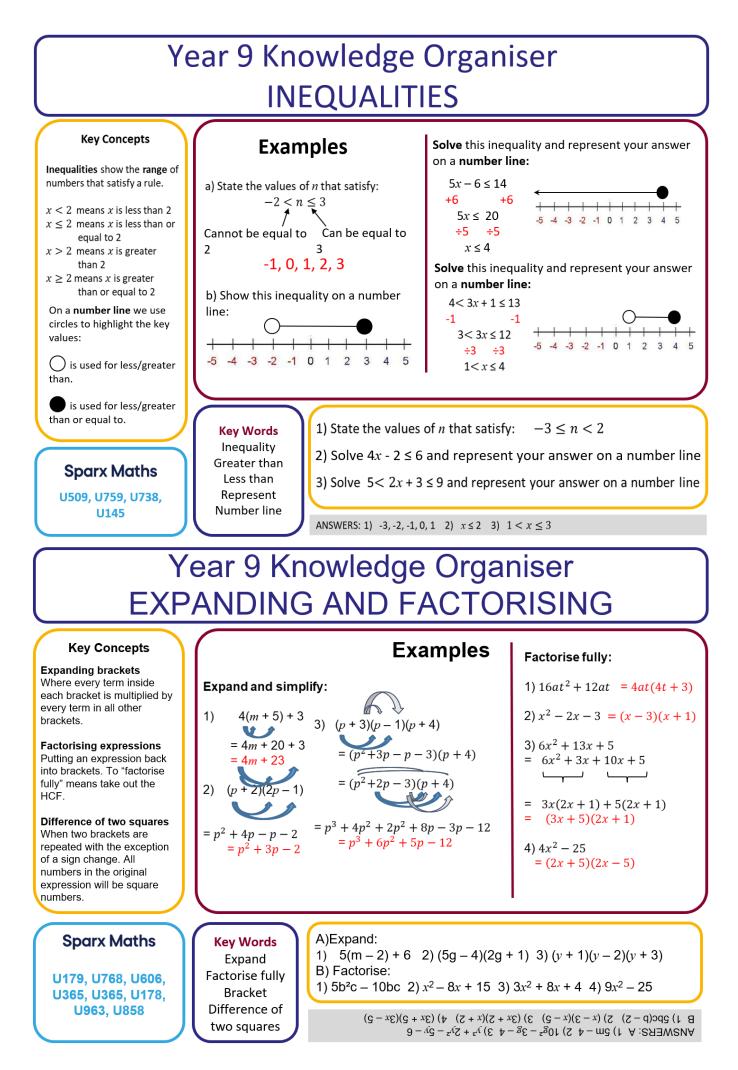
ĺ	Key	Harry	Trum		Joset	Stalin	Kenn		Nikita	Knrus	Fidel		Rona	Reag	Gorbá						
	Chronology	Russian Revolution	The USSR tests their first atomic bomb	Cuba Missile Crisis	Fall of the Berlin Wall	Fall of Communism	Common Misconceptions	A cold war is a state of tension between	going to war. There have been many cold	wars in history. The Cold War is one example between the USA and the USSR.	Despite this both sides took part in "proxy wars" (conflicts where both sides gave	sides in a smaller brea and Vietnam.	apitalism are two	opposing economic theories (how things should be produced) about how counties	should be run. The two sides also had opposing political theories. The USA was	a democracy where the people chose the	government. The USSR was a dictatorship where the people had no say in who ran their country.	Questions	Was the Cold War inevitable given how	the Second world war ended? Why did the Cold War not become a	third world war? Are we now entering a new Cold War?
	Chro	1917	1949	1962	1989	1991	Common M	A cold war is a state of tension between	going to war. There	wars in history. The Cold War is one example between the USA and the L	Uespite this both sides took part in "pro wars" (conflicts where both sides gave	support to opposing sides in a smaller war) for example, Korea and Vietnam.	Communism and Capitalism are two	opposing economic should be produced	should be run. The two sides also had opposing political theories. The USA w	a democracy where	government. The USSR was a dictatorship where the people t in who ran their country.	Que	Was the Cold Was	<ul> <li>Why did the Cold War not beco</li> </ul>	<ul> <li>third world war?</li> <li>Are we now enter</li> </ul>

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Kev Words	Definition
Communism	An economic theory based
	on common ownership.
Capitalism	An economic theory based
USSR	UII PIIVALE OWNERSHIP. The Union of Soviet
	Socialist Republics (or
	Soviet Union). A union of
	multiple communist states,
	the largest of which was
	city was Moscow.
Ballistic	A rocket-propelled, self-
Missiles	guided weapon, capable of
	delivering a warhead.
ICBMs	Intercontinental Ballistic
	Missile. A missile with a
	range of over 3000 miles
	(i.e. capable of going
	between continents).
U-2	A US spy plane.
Blockade	To seal off a place to
	prevent goods or people
	from entering or leaving, as
	President Kennedy did to
	Cuba during the Missile
	Crisis.
Protect and	A pamphlet and series of
Survive	videos covering what to do
	in the event of a nuclear
	attack, produced by the UK
	government and released
	in 1980.
Berlin Wall	A wall dividing communist
	East and capitalist West Berlin from 1961-1989

#### Year 9 Knowledge Organiser STRAIGHT LINE GRAPHS AND EQUATION OF A LINE





### YEAR 9- UNIT 1 MUSIC FROM AROUND THE WORLD

Music is central to all cultures around the world, whether for pleasure (known as 'Secular') or for Religious (known as 'Sacred') reasons.

We will be looking at music from countries that are known as 'non-Western', that is almost any country of the world other than the USA/North America or those in the continent of Europe.

### SECTION 1-REGGAE (A Brief History)

by attending local "sound systems" (very large, mobile, stereo systems featuring turntables and speakers). This meant that Jamaican music focussed enjoy music was In the early 1960's Jamaica was still a British colony (this ended in 1962) – it had no radio stations or Tv; the only way for the public to more on recordings than performance with many recording studios 'popping up' throughout the island. From this music scene a new type of music emerged with a relaxed 'off-beat' and sound effects such as echoes ('delay') and a large brass section. This became known as 'Ska'. Following the end of colonialism a small youth subculture of street kids evolved, known as the "Rude Boys". This group took the upbeat 'Ska' and changed it into a much more laid back, cooler, style of Music. This became known as "Rocksteady" with a more powerful bass line and Rock influences. However, it was in the 1970s that Reggae as we know it now really exploded onto the world. Jamaica celebrated the first 10 years as an independent country. It was also a time when the religious group, the Rastafarians, grew in popularity on the island. The Rastafari is an Africa-centred religion that believe Haile Selassie (a former King of Ethopia) is god and that he will return to African members of the black community who are living in exile as the result of colonisation and the slave trade. They are mostly known for their religious practices including the ritual smoking of marijuana and the fact that they are forbidden to cut their hair; instead they grow it and twist it into dreadlocks.

. It was within this environment that Reggae really evolved with the rise of Bob Marley, THE person who really took Reggae to the world. Marley was I world over prior to his premature death in 1981, aged 36 following a battle with cancer. He was given a Jamaican state funeral and was buried near his initially an amateur musician and professional footballer, who played for the Jamaican national team. But he switched to music and became popular the birthplace, with his Stratocaster guitar.



### MUSIC FROM AROUND THE WORLD YEAR 9- UNIT '

## SECTION 1- REGGAE : KEY FEATURES AND TERMINOLOGY

Listen out for the following in Reggae

- A Strong, but relaxed, backbeat (called "The Skank")
- Verv relaxed, almost 'cool' feel
- Lyrics about love, and world peace (or similar)
- For 2-tone Ska Trumpets and Trombones and catchy rhythms.
- For 2-tone Ska Lyrics and a style that are 'in your face' and 'tongue in cheek'.

### SECTION 2-PENTATONICA

In Western Music melodies and harmonies are based on a 7-note scale. However, in many Non-Western countries they use something called the **PENTATONIC SCALE** instead, a scale that is based on just 5 notes, taken from the Greek word for five, **'PENTAS'** 

The easiest way to play a Pentatonic scale is to use the Black Notes on the Keyboard, however many other versions exist.

many more. It has also been found in Popular Music, Jazz Music and Classical Music. It is so common around the world that some people Countries that use the Pentatonic Scale include China, Japan, Indonesia, India, Ethiopia (and other North African Countries), Scotland and have the opinion that humans are born with the Pentatonic Scale 'pre-installed', like the fingers on our hand.

## DRUMS AND PERCUSSION AROUND THE WORLD



Country of Origin : Indonesia GAMELAN

The Gamelan is considered a sacred instrument in Indonesia and should Metallophones and Gongs based be played without shoes being worn. It comprises a series of on the Pentatonic Scale.



Country of Origin : Japan TAIKO DRUMS

Thunder" Taiko Drums traditionally were used many centuries ago by

Also known as the "Drums of

enough of these coming would the Japanese Army, the sound



DJEMBE

Drums from the African continent Possibly the best known of all the Country of Origin : Ghana



Country of Origin : Brazil

many percussion instruments such as the Surdo, Tamborim and Agogo. Known as "The Sound of Brazil" the Samba Band is a famous part of the carnival parade in cities and towns across Brazil. It includes

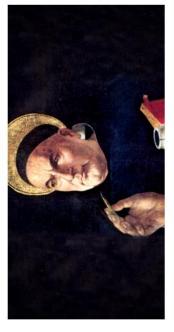
owed tree stump with a skin made from goat hide and tensioned with the Djembe is made from a holrope bindings.



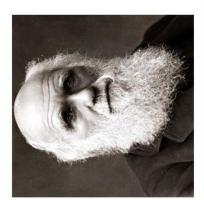
9.3 KS3 Core PE Knowledge Organiser	r: Long Term Effects of Exe	r: Long Term Effects of Exercise on the Musculo-Skeletal System
Rend for the former of the for	<ol> <li>INCREASED BONE DENSITY</li> <li>Bones adapt during exercise by bec prevent fractures from occurring. S</li> <li>A Gymnast needs strong bones so they a somersault.</li> </ol>	<ol> <li>INCREASED BONE DENSITY</li> <li>Bones adapt during exercise by becoming thicker and heavier (denser) to prevent fractures from occurring. Strong bones reduce the risk of injuries.</li> <li>A Gymnast needs strong bones so they don't suffer fractures when landing after a somersault.</li> </ol>
TENDON INUSCIE TO BONE) TIBLA	<ul> <li>2. INCREASED STRENGT</li> <li>During exercise ligaments a they adapt by becoming th A Basketball player needs to be injury to their ligaments or ten</li> </ul>	<ol> <li>INCREASED STRENGTH OF LIGAMENTS &amp; TENDONS</li> <li>During exercise ligaments and tendons are stretched during exercise and they adapt by becoming thicker and stronger to prevent injury.</li> <li>A Basketball player needs to be able to jump and change direction without injury to their ligaments or tendons in their knees and ankles.</li> </ol>
EXERCISE -RUDUR AFREEHOUT AFREEHOUT BEERS BACKIN	<ul> <li>3. MUSCLE HYPERTROPHY</li> <li>Increase in muscle size and strength/endurance and healing thicker and stronger.</li> <li>A rower requires strong muscles in their upper and resistance of the water.</li> <li>COMMAND WORD - DESCRIBE: Give an account of information, events or processes in a logical order.</li> </ul>	<ol> <li>MUSCLE HYPERTROPHY</li> <li>Increase in muscle size and strength/endurance. Comes from muscles tearing and healing thicker and stronger.</li> <li>A rower requires strong muscles in their upper and lower body to overcome the resistance of the water.</li> <li>COMMAND WORD - DESCRIBE: Give an account of something, or link facts, information, events or processes in a logical order.</li> </ol>
WORKED EXAMPLE: Lucy exercises regularly to increase her fitness. Describe <u>one</u> way in which the muscular system is affected by regular exercise and the long term benefit of this effect on the performer.(2 marks) Lucy's tendons, that join muscle to bone, will become thicker and stronger meaning she will be less prone to injury. In addition, regular exercise will also cause muscle hypertrophy, meaning Lucy's muscles will grow in size. This will benefit Lucy by increasing her muscular strength.	se her fitness. ected by regular exercise and (2 marks) thicker and stronger meaning ertrophy, meaning Lucy's asing her muscular strength.	<ul> <li>YOUR TURN - Try these questions:</li> <li>1. Define muscle hypertrophy.</li> <li>2. Describe how an increase in red blood cells may help a marathon runners performance?</li> <li>3. How do arteries and veins adapt to allow more or less blood to the working muscles?</li> </ul>

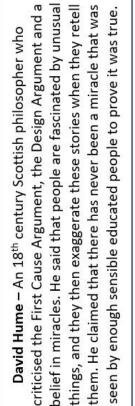
	9.4 KS3 Core PE K	9.4 KS3 Core PE Knowledge Organiser: Long Term Effects of Exercise on the Cardio-Respiratory System
		<ol> <li>CARDIAC HYPERTROPHY         <ul> <li>This is the increased size of the heart (left ventricle) due to training. This makes the heart stronger, meaning it can pump out more blood per beat, even at rest, therefore does not have to work as hard causing your resting heart rate to be lower.</li> </ul> </li> </ol>
	Arterioles Capillaries Arterioles Capillaries Arteries Capillaries Arteries	<ol> <li>INCREASE IN ELASTICITY OF THE MUSCULAR WALLS OF THE ARTERIES &amp; VEINS</li> <li>The more the arteries and veins can dilate (widen) and constrict (tighten). Oxygen is delivered to the working muscles faster, causing your resting blood pressure to drop.</li> </ol>
40		<ol> <li>INCREASE IN THE NUMBER OF RED BLOOD CELLS</li> <li>Red blood cells carry oxygen to the working muscles. The more red blood cells a performer has, the more oxygen can be carried to their working muscles to produce energy for movement.</li> </ol>
	4. CP - Capi which gased worki being	4. CAPILLARISATION AND AN INCREASE IN THE NUMBER OF ALVEOLI - Capillarisation results in an increase in the number of capillaries wrapped around each alveoli, which also increase in number in the lungs. An increase in both means that a greater level of gaseous exchange can take place. Therefore, a performer is able to deliver more oxygen to their working muscles and remove waste products (carbon dioxide) more quickly, resulting in them being able to work longer at a moderate (aerobic) intensity.
	Lenerative and the second	<ol> <li>INCREASED STRENGTH OF DIAPHRAGM AND INTERCOSTAL MUSCLES         <ul> <li>Meaning you can breathe more deeply. This increases the amount of air you can inhale             and exhale with each breath, causing more oxygen to be brought into the body and             delivered to the working muscles for energy production.</li> </ul> </li> </ol>
	Bone Density Ligan	VOCABULARY: Ligaments Tendons Hypertrophy Capillarisation Alveoli Diaphragm Intercostal Muscles

# **Religious Studies Year 9: Philosophy of Religion**



**Thomas Aquinas** – A 13<sup>th</sup> century Italian philosopher who argued that a faith in God was reasonable, and put forward the First Cause Argument (This says that everything needs a cause and that the cause for the universe is God). He also believed in the Design Argument (This states that the world looks designed and so has a designer – which is God).

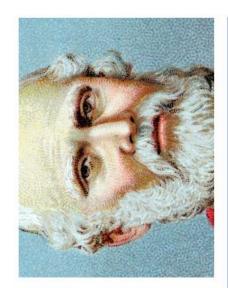




**Charles Darwin** – A 19<sup>th</sup> century scientist and author of '*On the origin of species*'. He put forward the theory of evolution by natural selection. He put forward the theory that over millions pf years all life has evolved from a common ancestor, a single cell. Over a very long time humans have slowly evolved from monkey like creatures. Some Christians agree with Darwin. They believe in theistic evolution, which is the belief that God started the process of evolution and used it to bring about life.



Rene Descartes – A 16<sup>th</sup> century French philosopher who claimed that his ability to think proved he must exist because his mind exists. He also believed that humans are born with the idea of God imprinted on their minds.



**Plato** – An Ancient Greek philosopher who claimed that knowledge is gained through using reason. He said we cannot rely on our senses to give us accurate information as things are constantly changing.

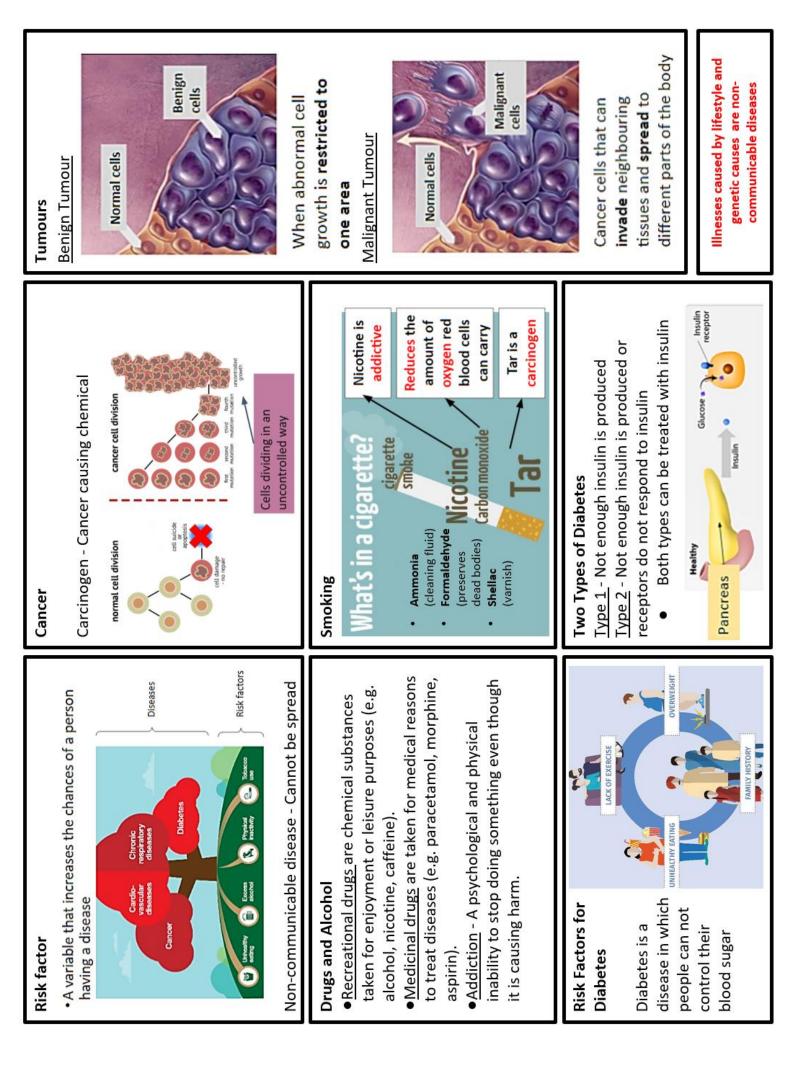
	Key questions	What is the difference	between an agnostic and an atheist?	What is the difference between Creationism and	Theistic Evolution? How would an agnostic	explain something that	miracle?		Practice task	Would you describe yourself as; agnostic, atheist, Humanist,	a religious believer or a 'none'? Explain your answer.	
Definition	Someone who does not know whether there is a god or gods.	Someone who does not believe in the existence of a god or gods.	Someone who believes that God created the world in six days, as described in Genesis.	The argument that the world looks designed and so has a designer – God.	Belief or trust in something that cannot be proven.	The argument that everything in the universe needs a cause and so the universe also needs a cause, which is God.	The ability to choose between right and wrong.	An atheist who believes that science and our shared human reason and compassion should guide how we live the one life that we have.	An event that cannot be explained naturally and so is seen as an act of a god or gods.	A term used by sociologists to describe the diverse group of people with no religion, including atheists, agnostics and those who are spiritual but not religious.	The argument that evil and suffering shows that a powerful, knowing, loving God does not exist.	The belief that God started the process of evolution and used it to bring about life.
Key Word	Agnostic	Atheist	Creationist	Design/Teleological Argument	Faith	First Cause Argument	Free Will	Humanist	Miracle	Nones	Problem of Evil	Theistic Evolution

**Religious Studies Year 9: Philosophy of Religion** 

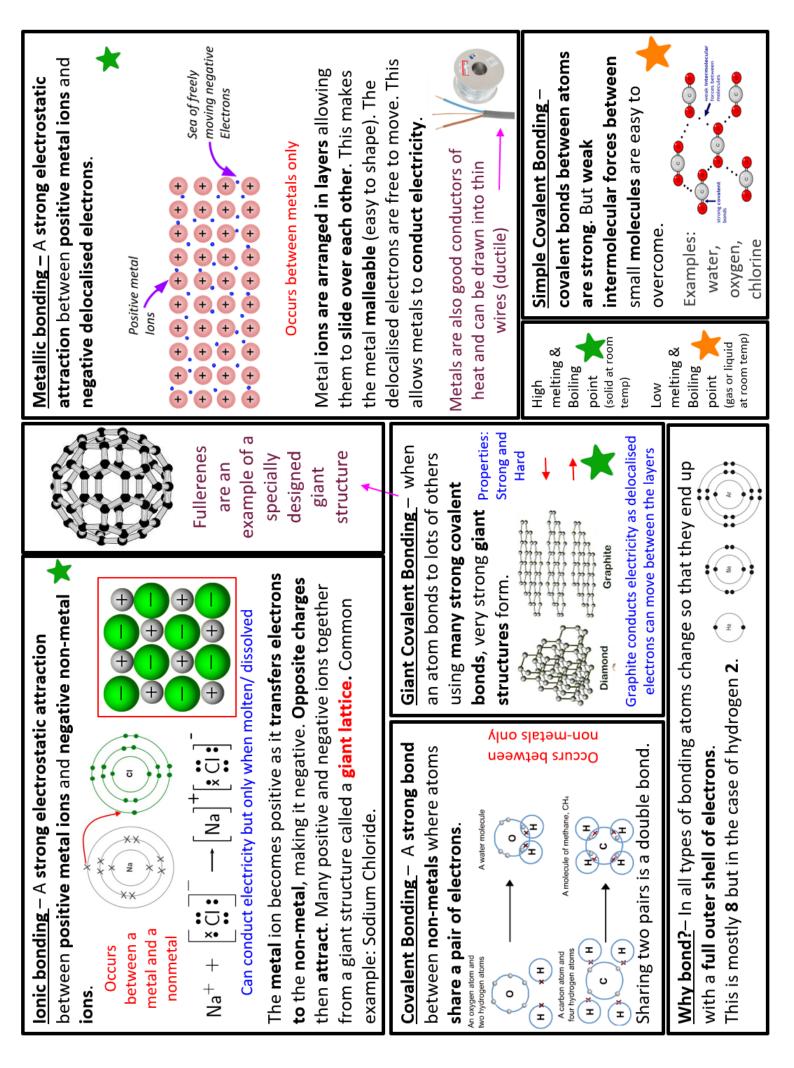
Key Terms	Definitions	Religious Studies: Hinduism Practices and Lifestyles
Worship	Showing respect and adoration to the Divine.	Where do Hindus worship?
Sacred	Holy, religious, connected to the Divine.	Hindus can worship anywhere, the Divine is everywhere. They may worship outside, or in a building, but all
Shrine	A sacred space where a deity is worshipped.	focus their worship comes from the mean so should take place in the space of the freat. However many minuus focus their worship on a shrine with a murti of their favourite deity taking central place. Many Hindus have
Mandir	A Hindu temple, often contains several shrines.	shrines at home, but they may also visit a Mandir to pray there, or worship outside at a sacred place.
Murti	An image of a deity.	How do Hindus worship?
Personal deities	A Hindu may pick one deity to focus on.	prayers are said to it, then the deity is asked to bless the worshipper – this is called darshan. Puja (worship)
Puja	Respecting / honouring / worshipping a chosen deity.	may well involve offerings of flowers and fruit with prayers and mantras being recited. The main worship
Arati / Arti	An offering of light, often using an arti lamp.	by hymes being sung and target, berefinding without involves an artifating based around with prayers and hymns being sung. During Hindu weddings a fire is lit with wood and ghee, rice is offered and prayers are
Darshan	Viewing a murti with respect and receiving a blessing.	said – this is an example of havan, a fire sacrifice to Agni.
Havan	Fire sacrifice offered to Agni the fire god.	Traditionally worshin was led by hrahmins male members of the priestly caste Today hrahmins may still
Mantra	A chant, holy sounds e.g. Aum repeated.	lead worship in a Mandir but others also take a key role. Gurus, are teachers who help others to reach
Meditation	Praying by being still, focusing the mind on God.	enlightenment, a Hindu may follow one guru, elder or sadhu. A sadhu is a wandering holy man. At home the are also some female gurus
Bhakti / path of bhakti	Loving devotion to a God / gods. The path of worship, involving puja, and individual meditation.	What about pilgrimage in Hinduism?
Gurus	Wise spiritual teachers.	Varanasi on the River Ganges is central in Hindu pilgrimage, it is seen as a place where earth and heaven meet. Pilgrims hope to bathe in the river and ioin in the evening arti ceremony on the river banks. It is a
Brahmins	Traditional priests, found in a temple.	city of temples, Lord Shiva is especially important and many Shaivites try to visit. It is also seen as a
Pilgrimage	A journey to a sacred place.	'gateway to Moksha' with many hoping to die or be cremated there. At the side of the Ganges there are ghats for cremation, and the ashes are then sprinkled in the Ganges.
Ganges	Mother Ganga, a holy river for Hindus.	Kumbh Mela is pilgrimage festival that happens across 4 different pilgrimage sites. The biggest gathering is
Varanasi	On the Ganges, a key pilgrimage site for Hindus.	every 12 years. when naked ash-smeared sadhus wearing garlands of orange flowers lead the bathing.
Kumbh mela	A pilgrimage festival for Hindus.	Key quotes on worship: <sup>(A leaf or flower water fruit 1 charich from)</sup>
Shaivism	Shaivites focus on the worship of Lord Shiva.	"There are 2 ways of contemplation of Brahman; in that earnest soul the love that makes the
Vaishnavism	Vaishnavaites focus on Lord Vishnu, and his avatars.	sound and in silence. (Opanishaus) offering." (Bhagavad Gita)
Key question	Key question: is there a best way to worship?	"The pearl is found in the oyster, and the oyster in the sea. The diver brings it up. No one else has the power to do this." (Guru Kabir)

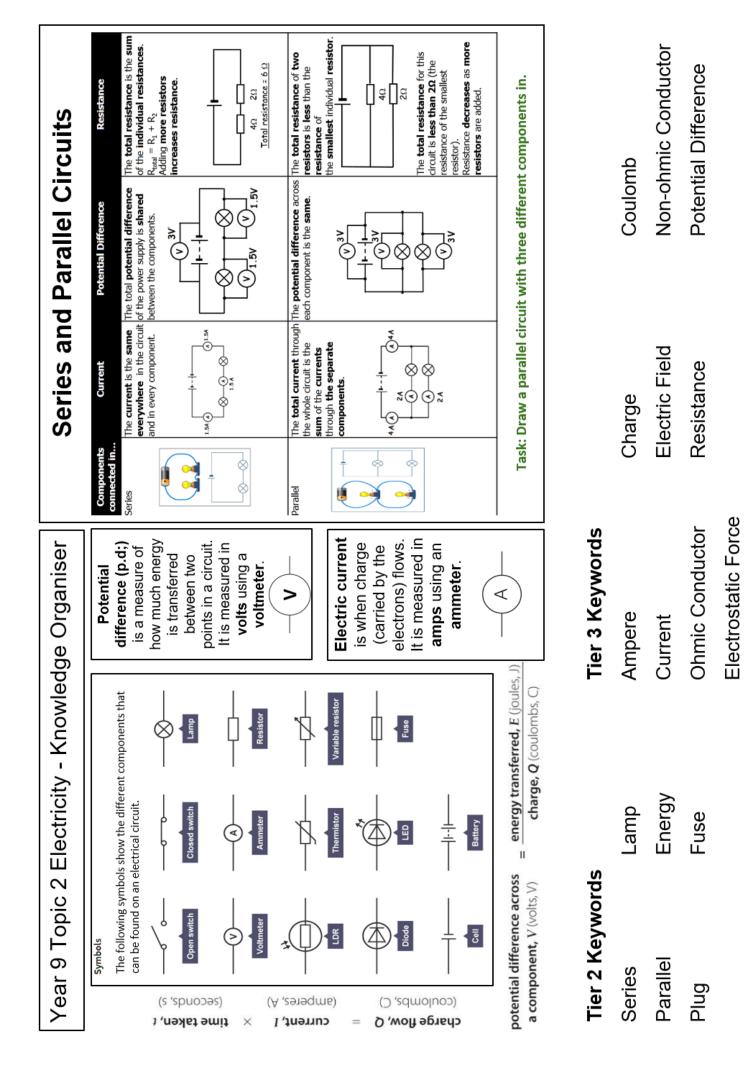
Key Terms	Definitions	Religious Studies: Hinduism Practices and Lifestyle	tices and Lifestyle
Reincarnation	When a body dies a soul is reborn in another body.	What do Hindus believe about the afterlife?	out the afterlife?
Samsara	The cycle of life, death and rebirth.	Hindus believe in reincarnation, where a soul moves on into a new body after death. The cycle of samsara is a continuous cycle of life death and rehith. How we are rehorn denends on their karma, the actions	) a new body after death. The cycle of samsara e rehorn denends on their karma the actions
Inner self	The Atman / soul. Spiritual, reborn at death.	they have taken in a previous life. We are rewarded for good and punished for bad in life, and after death.	d and punished for bad in life, and after death.
Material mind / body	Physical, comes to an end at death.	A human may be reborn as an animal, or in an upper realm. Moksha is escaping the cycle, where an individual atman unites with Rrahman	lm. Moksha is escaping the cycle, where an ith Brahman
Karma	Actions, lead to consequences affecting rebirth.		
Moksha	Escape from samsara, liberation, freedom.	Vnat about anarma? All humans have duties in life, fulfilling those duties will improve one's rebirth. But we have different	<b>rma<i>r</i></b> mprove one's rebirth. But we have different
Liberation	Freedom, for a Hindu escape from samsara.	duties, a student has different duties to an adult in the householder stage, a member of the warrior	ouseholder stage, a member of the warrior
Dharma	Duties.	(Kshatriya) caste has different dharma to a member of the Brahmin (priestly) caste. This idea that duties vary is called Varnashramadharma. Eternal truth and duties true for all in all times and places is	Brahmin (priestly) caste. This idea that duties uties true for all in all times and places is
Sanatana dharma	Eternal, timeless truth, duties for all. Hinduism!	Sanatandharma, and for Hindus this is their preferred name for their religion.	referred name for their religion.
Varnashrama dharma	Duties vary, for different stages in life and different castes.	What are the paths towards Yoga / Moksha? There are different ways to work towards union with the divine. The path of Bhakti involves worshipping	: Yoga / Moksha? vine. The path of Bhakti involves worshipping
Yoga	Union with the Divine.	and devoting yourself to God / a god. The path of Jnana focuses on studying the Scripture. Astanga yoga is	uses on studying the Scripture. Astanga yoga is
4 paths towards Yoga	Bhakti (worship), Jnana (knowledge), Astanga	the path of meditation, and Karma yoga is the path of selfless action. Different paths to the same goal.	less action. Different paths to the same goal.
	(meditation) and Karma (selfless action) are the 4 paths towards Yoga and Moksha.	What are the aims of human life? One aim is to achieve Moksha, some say it should be the main aim for a Hindu but they everyone is	<b>numan life?</b> : main aim for a Hindu but they everyone is
4 aims of human life	Moksha, Dharma, Artha and Kama	different and Hindus may not all be capable of Moksha, so there are also other aims. If Moksha is the aim of liheration Dharma is aiming to fulfilyour durines. Artha is the aim to be successful in life in material	there are also other aims. If Moksha is the aim is the aim to he surcessful in life in material
Artha	Working hard to gain wealth through lawful means	terms, working hard to achieve wealth lawfully while Kama involves taking a delight in physical things and	involves taking a delight in physical things and
Kama	Pleasure, taking delight in the senses.	sensual matters, but not mistreating others. Humans have free will to make choices about our aims and our paths in life. but we need to be virtuous. following virtues like ahimsa or others may suffer – and we	free will to make choices about our aims and ues like ahimsa or others may suffer – and we
Free will	We can choose how to act, we aren't puppets.	certainly will in a future life, if not now.	e, if not now.
Virtues	Good behaviour eg. Showing respect or empathy.	Key quote on reincarnation:	Key quote on the Atman:
Ahimsa	Not killing but respecting life. Non-violence.	As a man casts off his worn out clothes so the body's sould takes other forms when it discards the ones that	"Atman is never born and never dies. Never-born and eternal does not die when
Cows	A sacred animal for Hindus.	die.' (Bhagavad Gita)	the body dies."
Practice task: The si well in Hinduism? H they may be treated	Practice task: The sacred cow! Research – why are cows treated so well in Hinduism? How are they treated in India? Is it right that they may be treated better than some humans?	Key quotes on virtue: "Be friendly and compassionate, released from ego-selfishr (Bhagavad Gita)	<b>Key quotes on virtue:</b> "Be friendly and compassionate, released from ego-selfishness, patient, hate not any being." (Bhagavad Gita)

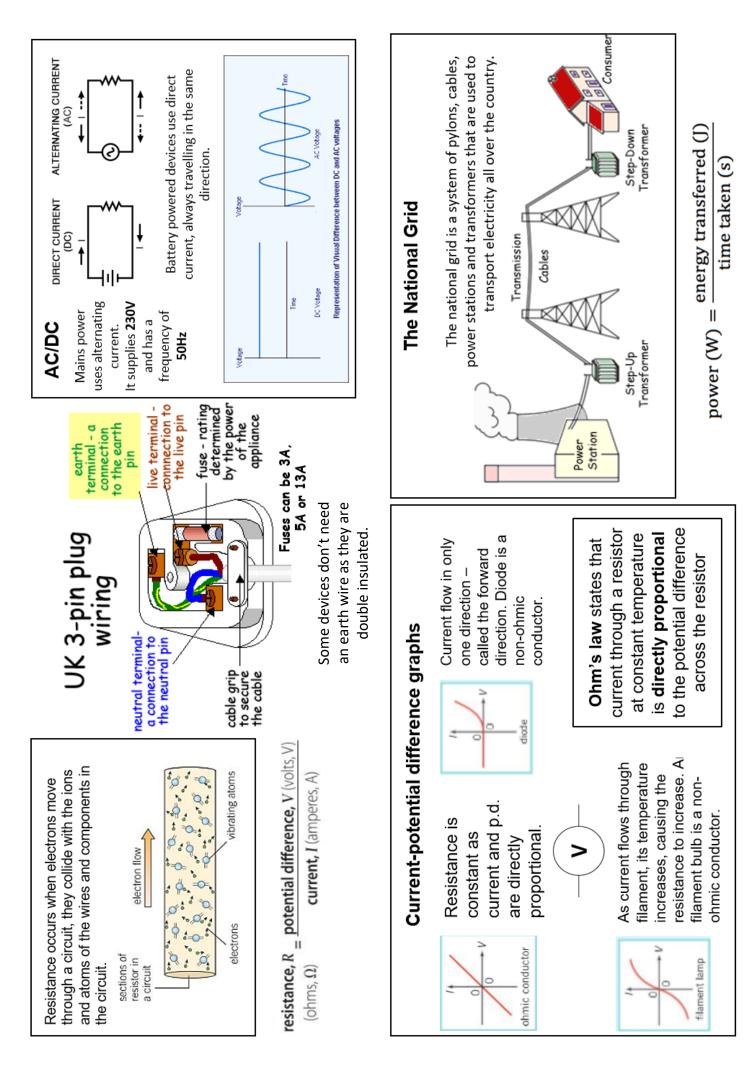
Pathogen	Disease	Spready By	Symptoms	Prevention and Treatment	Year 9 Topic 2 Biology
Virus	Measles	Air droplets	Fever and red skin rash	<ul> <li>Painkillers to treat</li> <li>symptoms</li> <li>Vaccination</li> </ul>	Knowledge Urganiser Tier 2 Vocabulary
Bacteria	Gonorrhea	Direct sexual contact	Thick yellow or green discharge from the genitals and pain when urinating	<ul> <li>Treatment with antibiotics</li> <li>Barrier methods of contraception</li> </ul>	Complementary Specific <i>Tier 3 Vocabulary</i> Bacteria Virus Protist Fungi Adout
Fungi	Athlete's foot	Direct contact	ltchy red white patches between toes	●Anti-fungal cream	nity aation en body
Protist	Malaria	Bite from female	Recurrent fever	<ul> <li>Antimalarial medicine</li> <li>Prevent mosquito bites</li> </ul>	Pathogen nasn't peen Malignant mentioned in the Benign knowledge
		(vector)	Illnesses caused by path	Illnesses caused by pathogens are communicable diseases	Placebo <b>organiser.</b> Carcinogen
Vaccinations Vaccinations 1.Dead or inactive pathogen is injected 2. White blood cells produce antibodies produce antibodies 3. Antibodies bind to antigens on pathogens 4. Pathogen sclump together 5. Pathogen is destroyed 6. Production of me	Vaccinations Laborations 1.Dead or inactive pathogen is injected 2. White blood cells produce antibodies 3. Antibodies bind to antigens on pathogens 4. Pathogens clump together 5. Pathogen is destroyed 6. Production of memory cells		In herd the va profit profit with univac	<ul> <li>immunity, ccinated prug Discovery</li> <li>brugs were traditionally extracted from plants and microorganisms</li> <li>Digitalis (heart drug) from foxgloves from willow trees</li> <li>Digitalis (heart drug) from willow trees</li> <li>Penicillin (antibiotic) from mould Drugs are trialled and tested for toxicity, efficacy and dose.</li> </ul>	Drug Development         d       Stages of Clinical Trials         Stages of Clinical Trials         Pre-clinical trials         • Drugs are tested on cells and tissues         • Tested on animals         r'         • Tested on animals         Clinical trials         • Tested on healthy         volunteers         • Tested on unhealthy         volunteers         sted         Some trials use a placebo, a dummy pill which has no effect.



Material	Description	Properties	Uses	Year 9 Bonding
	A compound such as a	<ul> <li>Hard</li> <li>Brittle</li> <li>Stiff</li> </ul>	<ul> <li>Bricks – are strong which makes</li> </ul>	organiser Organiser
Ceramics	metal silicate or oxide that is hard, strong and has a high melting point	<ul> <li>Solid at room temperature</li> <li>Strong</li> <li>Break easily</li> <li>Electrical insulators</li> </ul>	<ul> <li>them suitable for buildings</li> <li>Electrical power-line insulators – ceramics do not conduct electricity</li> </ul>	<b>Tier 2 Vocabulary</b> Opposite Attraction
Polymers	A substance made up of very long molecules	<ul> <li>Does not conduct electricity</li> <li>Poor conductors of heat</li> </ul>	<ul> <li>Carrier bags (low-density polyethene)</li> <li>Artificial joints (high-density polyethene)</li> </ul>	Properties <b>Tier 3 Vocabulary</b>
Composites	A mixture of materials with properties that are a combination of those of the materials in it	Has properties that are a combination of the properties of the materials it is made up of	<ul> <li>Carbon-fibre-reinforced plastic</li> <li>Glass-fibre-reinforced aluminium</li> </ul>	lonic Covalent Metallic Delocalised
Structure of Mon	Structure of Monomers and Polymers		ц	Electron Ion
MONOMER		Ethene is able to act as a monomer because		Intermolecular Alloy
Q	A monomer is a small molecule.	breaking the <b>double bond</b> allows it to ioin with other	, т,	Malleable Ductile
POLYMER		monomers.		Composite Ceramic Polymer
A polymer is a long-chain mol	A polymer is a long-chain molecule made up of a repeated pattern of monomers.		Ethene Poly(ethene)	Monomer
<u>Alloys</u> – Alloys They contain m cannot arrange <b>slide over each</b>	<u>Alloys</u> – Alloys are created from a <b>mixture of metal</b> They contain metal <b>ions of different sizes</b> . This me cannot arrange in regular layers and <b>layers cannot</b> <b>slide over each other</b> . Making alloys <b>stronger than</b>	<u>Alloys</u> – Alloys are created from a <b>mixture of metals</b> . They contain metal <b>ions of different sizes</b> . This means the ions cannot arrange in regular layers and <b>layers cannot</b> slide over each other. Making alloys stronger than pure metals.	Porce	Alloy
Fe C C	Cu Sn Task: Some c Brass an Bronze prope	Task: Some common alloys include Steel, Brass and Bronze. <u>Research</u> the properties of one of these.		The addition of the second atom makes this sliding difficult.







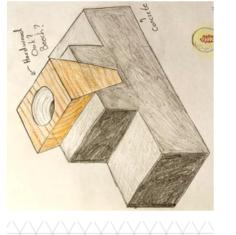
Key spellinds	lings 3	¿Qué haces para	s para estar en	What	What do you do to stay	¿Qué te duele?	What hurts (you)?
Learn these spellinds, they will be	is, they will be	fo	forma?		healthy?	Me duele(n)	hurts me
really useful for this unit and you will	unit and you will	Juego		l play		el brazo	(my) arm
be tested on them.		al baloncesto/tenis/fútbol		basketbal	basketball/tennis/football	el estómago	(my) stomach
1. estar en forma	to be in shape	a la pelota vasca		pelota (Bá	pelota (Basque ball game)	el pie	(my) foot
2. se debe	vou must	Hago		l do		la cabeza	(my) head
3 me duele	hurts me	artes marciales		martial arts	ts	la espalda	(my) back
	Pm ill	baile	_	dance		la garganta	(my) throat
	1 III III 5 4-i1	atletismo		athletics		la pierna	(my) leg
D. retrescos	tizzy grinks	gimnasia		gymnastics	SS	los dientes	(my) teeth
¿Llevas una dieta		Do you have a healthy	¿Qué deporte	rte	What sport do you	los oídos	(my) ears
sana?		diet?	prefieres?	•	prefer?	los ojos	(my) eyes
Llevo una dieta	I have a		Prefiero		I prefer	¿Qué tal estás?	How are you?
sana/malsana	healthy/ur	healthy/unhealthy diet	jugar al rugby		to play rugby	Estoy cansado/a	I'm tired
Como/No como.	I eat/Don't eat	n't eat	hacer natación		to do swimming	Estoy enfermo/a	l'm ill
caramelos	sweets		los deportes de equipo	quipo	team sports	Tengo catarro	I have a cold
galletas	biscuits		los deportes individuales	iduales	individual sports	Tengo tos	I have a cough
pasteles	cakes		es mi deporte favorito	orito	is my favourite sport	Consejos	Advice
fruta	fruit		Mi rutina diaria	aria	My daily routine	Para estar en forma	To keep in shape
pan	bread					Se debe	You must
pescado	fish		INIE Gespierto		I wake up	beber agua frecuentemente	-
verduras	vegetables		Me levanto (enseguida)	guida)	I get up (straight	comer más fruta v verduras	+
Bebo/No bebo	I drink/I	I drink/I don't drink			away)	dormir ocho horas al día	+
agua	water		Me lavo los dientes	SS	I brush my teeth	entrenar una hora al día	exercise 1 hour a day
café/té	coffee/tea		Me ducho		I shower	No se debe	You mustn't
leche	milk		Me visto		I get dressed	beber alcohol	drink alcohol
refrescos	fizzy drinks	s	Me acuesto		I ao to bed	beber refrescos	drink fizzy drinks
porque es	because it is	t is	Desavino		I eat breakfast	comer comida basura	eat junk food
es sano/a	it's healthy		Ceno		Leat dinner	fumar	smoke
son sanos/sanas	they're healthy	althy	View of Lo missing			Kev grammar	Kev grammar - Reflexive verbs
es rico/a	it's delicious	IS	voy a la piscina			Reflexive verbs work in the	Reflexive verbs work in the same way as other verbs, but
es asqueroso/a	it's disgusting	ing	Voy al insti		I go to school	have and extra reflexive pr	have and extra reflexive pronoun that must be added.
soy vegetariano/a	l'm a vegetarian	tarian	Voy al trabajo		I go to work	Don't forget to change	Don't forget to change the ending of the verb
soy alérgico/a	I'm allergic		Voy al gimnasio		I go to the gym		accordingly.
soy	l'm a Muslim	E	Entreno		I exercise	Levantarse	loget up
musulman/musulmana	INA		a las seis		at 6:00		
a veces	sometimes		a lae ciete v cuarto	¢.	at 6-15	Le levantas	You get up
tres al día	three times a day	s a day	a las sicle y cua	2	at 0.10	Se levanta	S(ne) gets up
una vez a la semana	a once a week	ek		218	at 8:30	Nos levantamos	We get up
nunca	never		a las diez menos	enos cuarto	at 9:45	US levantals	You (pi) get up
					-		1

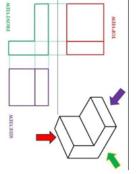
Key spellings	Ilings 4	Mis derechos	My rights	¿Cómo vas al	How do you get to
Learn these spellings they will be	as, they will be	Tengo derecho	I have the right	insti?	school?
really useful for this unit and you will	s unit and you will	al amor y a la familia	to love and to family	Voy	I go
be tested on them.	`	al juego	to play	a caballo	on horseback
1. tengo derecho	I have the right	a la educación	to education	a pie	on foot
2. voy en bici	I go by bike	a la libertad de expresión	to freedom of expression	en autobús	by bus
3. reciclamos	we recycle	a la protección	to protection	en barco	by boat
4. no puedo	I can't	a un medio ambiente sano	to a healthy environment	en bici	by bike
5. es más barato	it's cheaper	No puedo	I cannot	en coche	by car
Masiandidaha	Matianalitian	dar mi opinión	give my opinion	en metro	by metro
Nacionalidades		ir al insti(tuto) iudar con mic amicoc	go to school	en tren	by train
ES	He/She IS	Jugai con mis annigos resnirar	breath	porque es	because it is
argentino/a	Argentinian	salir a la calle	an out into the street	la única opción	the only option
boliviano/a	Bolivian	vivir con mi familia	live with my family	más rápido que	quicker than
a a la mai a ma	Colombian	porque	because	más verde que	more eco-friendly
color II Dial 10/a	COULIDIAL	soy un chico/una chica	I am a boy/girl	-	than
mexicano/a	Mexican	mi padre es muy estricto	my dad is very strict	más barato que	cheaper than
norteamericano/a	North American	tengo que ganar dinero	I have to earn money	más práctico que	more practical than
	Dominan	tengo que trabajar	I have to work	mas seguro que	sater than
peruario/a	reiuviaii	el aire está contaminado	the air is contaminated	Ir a pie	going on foot
inglés/inglesa	English	en mi país a veces hay	there is sometimes violence in my	ir en autobús	going by bus
español/española	Spanish	violencia	country	ir en taxi	going by taxi
		jNo es justo!	It's not fair!	ir en coche	going by car
pakistani	Pakistani	Es inaceptable	It's unacceptable	nadar	swimming
Sobre su vida	u vida	About their life	Un mundo mejor	A	A better world
Es de		He/She is from	Para ser un instituto verde		In order to be a green school
Vive en		Ha/Sha livas in	apagamos la luz	we turn off the light	light
Vive con sus padres	s	He/She lives with his/her parents			lectricity
: Olié hace nor la mañana?	mañana0	What does he/she do in the morning?		we don't waste water	e water
Courte liace put la			plantamos árboles y flores	we plant trees and flowers	and flowers
Desayuna		He/She has breaktast	reciclamos botellas de plástico	ico we recycle plastic bottles	stic bottles
Organiza sus cosas	s	He/She orgnanises his/her things	reciclamos papel y vidrio	we recycle paper and glass	er and glass
Va al insti		He/She goes to school	reducimos el consumo eléctrico		we reduce our electrical consumption
¿Qué hace durante	te el día?	What does he/she do during the day?		we have a garden	den
Ayuda a su madre		He/She helps his/her mum	Paro hoos un mindo moi	╈	we go by bike
Estudia		He/She studies	vamoe a racei dar fondoe		naica funde
Hace los deberes		He/She does homework		we are doing to	we are doing to rape range we are doing to organise and event
Dronoro lo cono		2 2 2		- 0 0 0	

Year 9 – Knowle	Year 9 – Knowledge Organiser – <b>Design</b>	Design & Technology – DESIGN	
Design and Techne	Design and Technology Specific Language and Terms	Example of	
A ar Design Brief th	A statement of intent for a project, created with an end user in mind. A design brief should primarily focus on the results and outcomes of the design.	developing a design idea	
A Specification sr th	A list of rules to follow when designing, a specification point is the result of research into the requirements of a project.	and Contract of the second sec	Ball And Contract 2
Influenced by pe	To use existing designers, media, products, time periods etc. to create, change and adapt a design. To be influence by.	American Sustained American Sust	and the second sec
Design Movement pr	A period in time where a certain style was prevalent. (see examples below)	Apple Apple	States
Initial Ideas	The creation of multiple ideas, considering different ways of fulfiling the design brief.		with the second
Tc Development or	To work on, add to, an improve an idea via ongoing research, and seeking further influence or understanding of an outcome.	Contraction of the second seco	
1850 1860 1870 1880 1890 1910 1910 1920 1 Arts and Crafts Movement 1890-1910 1920 1 Art Noveeu 1890-1910 1920 1910 1920 1910 1920 1910 1920 1910 1920 192	ments limeline 1330 1340 1350 1360 1370 1380 1390 2007 130-145	Design movements are periods in time where a certain style of design was prevalent, It's important to know about these movements as they provide a starting point to base your product on or just provide inspiration. Organic design is a style of product design which takes as its starting point organic, flowing natural forms. Undulating lines, dynamic curves, and powerful	and the second s
3 3	0 1930-1950 Gambin Ballon 1935-Present Scandinium Modern 1935-Present Atimporary1945-1960 Pop Art 1956-1972	At Deco is a style of architecture and design that first appeared in France Just before World War I. Art Deco influenced the design of buildings, furniture, jewellery, fashion, transport, and everyday objects.	An initial ideas page
	Space Age 1960-1969 Minimaliam 1960-1978 Minimaliam 1960-1978 Postmoderenium 1978-Present Wemphis 1981-1988 Deconstructivism 1988-Present	<b>Postmodernism</b> is one of the most controversial movements in art and design history. Over two decades, Postmodernism shattered established ideas about art and design, bringing a new self-awareness about style itself.	

# Year 9 - Knowledge Organiser - Design & Technology - DESIGN

lage and Terms		An isometric drawing is a type of 3D drawing that is set out using 30-degree angles. It's a type of drawing in which the same scale is used for every axis, resulting in a non- distorted image.	A item is drawn in 2D in the correct proportions, it is then forced into 3D by projecting lines out at 45 degrees.	d to scale. e 3 views, front, side and plan. Oblique Drawing	An accurate drawing providing all information required to make a product. Usually presented as an isometric or orthographic drawing.	a working drawing and breaks a design down into its parts, stating what it is to be made from and the squired of each part.
Design and Technology Specific Language and Terms	Computer Aided Design	An isometric drawing is a type of 3D drawing that is s using 30-degree angles. It's a type of drawing in whi same scale is used for every axis, resulting in a non- distorted image.	A item is drawn in 2D in the cor into 3D by projecting lines out a	2D drawings drawn in detail and to scale. Orthographic projections provide 3 views, front, side and plan.	An accurate drawing providing product. Usually presented as a drawing.	Goes with a working drawing a individual parts, stating what it i quantity required of each part.
Design	CAD	Isometric Drawing	Oblique Drawing	Orthographic Drawings	Working Drawing	Parts List





**Orthographic Drawing** 

Year 9 – Knowledge Organiser – Design & Technology – TOOLS/MACHINERY

HAND TOOLS	STO		MACHINERY	ERY		CUT	CUTTING
	Bench Hook		Milling Machine	<ul> <li>Removes material a thin layer at a time</li> <li>Can be used to ensure an absolutely flat surface</li> <li>Very accurate</li> </ul>		Scroll Saw (Hegner)	<ul> <li>Thin blade allows for intricate curves to be cut in timber a plastic sheet material</li> </ul>
	Coping Saw (timber/plastic)			<ul> <li>Used to 'turn' material (rotates)</li> <li>A tool or bit is used to</li> </ul>			<ul> <li>Spinning cutting tool removes</li> <li>wood as in is move along a</li> </ul>
	Tennon Saw (timber)		Centre Lathe	<ul> <li>shape the rotating</li> <li>material</li> <li>There are wood and</li> <li>engineers (metal) lathes</li> </ul>		Hand Held Router	<ul> <li>Used to create slots, grooves or fancy edges</li> </ul>
	Hacksaw (metal)		Buffer/ Polisher	<ul> <li>Used to polish metal or plastics to a high shine</li> </ul>		Jigsaw	<ul> <li>Used to make straight or curved cuts in all materials</li> </ul>
THEOREM					-	I	<ul> <li>blaces and speed can be changed to suit material</li> </ul>
	Goldinp		Disc	<ul> <li>Rotating abrasive disc removes material</li> </ul>	B		Blade is one continuous flexible     loop
	Woodwork		Sander	Used for timber and plastics		Bandsaw	Mainly used for timber but blades can be changed to cut plastics     Can cut straight or curved lines
	AIG			<ul> <li>Used to apply heat along an area of thermoforming</li> </ul>			
ł	Hand Clamp	and the second	Strip Heater	plastic allowing it to be bend along a line Process is called line bending	Sue book	Table Saw	<ul> <li>Circular blade rotates through the table surface</li> <li>Used to make straight cuts only</li> <li>Mainly used to cut boards to size</li> </ul>
				<ul> <li>A rotating drill bit can be</li> </ul>			
	Glass Paper		Pillar Drill	lowered into a work piece to create holes • Work musk be secured to the table	R	Laser Cutter	<ul> <li>Can be used for multiple thin materials</li> <li>Requires designs to be created on a computer first</li> </ul>

Year 9 – Knowledge Organiser – Design & Technology – MATERIALS

	Pla	Plastics				Timber	
Type	Example of	Advantages	Disadvantages	Type	Example of	Advantages	Disadvantages
Acrylic	Thermo- forming (shaped with heat)	Available in many colours and styles Weather proof Can be laser cut	Brittle Scratches easily Made from oil - unsustainable	Pine	Softwood	Cheaper More sustainable as faster growing Widely Available	Knotty Can be weaker than hardwoods Less durable
Epoxy Resin	Thermo- Setting (Can only shape once)	Hard wearing Can be mixed with pigments/powders to create effects Will not burn	Non recyclable Gives off fumes Made from oil - unsustainable	Oak	Hardwood	Good aesthetic Extremely durable	Generally harder to cut and shape
Tvne	Me Example of	Meicils f Advantages	Disodvontooes	Mahogany		Easy to maintain High strength	knore expensive Less sustainable as slower growth rate
Steel	Ferrous	Relatively cheap Widely available	Real lites a surface		нагамооа		
	(Contains Iron)	Strong/Tough	finish	Plywood	540. 00 etc. (10000	Available in large	and origination and the
Aluminium	Non-Ferrous (Does not contain iron)	Does not rust Lightweight Easy to cut and shape	Relatively expensive	and a second sec	Manufactured Board	Good strength and durability Can be laser cut	other board options Edges can splinter
Copper	Non-Ferrous (Does not contain iron)	Good conductor of heat and electricity	Corrodes Relatively expensive				
Pewter	Alloy (Mix of multiple metals)	Does not rust Low melting point for easy casting Polishes to a high shine	Relatively expensive Heavier than alternatives	3D Printing uses PL/ PVC plastic on a reel is heated and used to a thin layer at a time.	3D Printing uses PLA or PVC plastic on a reel. This is heated and used to print a thin layer at a time.		

Year 9 - Knowledge Organiser - Design & Technology - PROCESSES / H&S

	Shaping	Shaping Plastics		14 0 C 3			
heated thermoforming vacuum bed moves up		A mould is placed onto the vacuum bed     A thomosformion shoot or film (usually LIDevise		חפמונוו מ טמוכנץ		Weit Beeting Debing Debing	Mear Protective Gloves
air sucked out	Vacuum	<ul> <li>A mermoronning sneet or min (usually mirs) is clamped above the bed and heated until soft</li> </ul>		sign and Techr	Design and Technology Specific Language and Terms	age and Tern	IS
modd (offen made from MDE) on a vacuum bed	Forming	<ul> <li>Bed is lift into the heated plastic</li> <li>All air is sucked out creating a vacuum, pulling the plastic over the mould</li> <li>Moulded plastic then cools and becomes rigid.</li> </ul>		Health and Safety	Anything to do with a persons wellbeing in any given situation. From sitting at a computer for long periods to operating machinery.	persons wellt rom sitting at riods to opera	eing in a ing
Hoper Putic gands Moud (or do)	Injection Moulding	<ul> <li>Molten material is forced into a mould</li> <li>Tool steel moulds have the negative shape within them.</li> <li>Used to create items like; plastic buckets and school chairs.</li> </ul>		Risk Assessment	A document that considers all risk to a person/s carrying out a task, and all control measure put in place to minimize or remove risk to health, this could be training, following certain rules or using PPE	siders all risk t t a task, and a to minimize o , this could be tain rules or u	o a l control sing
Bend	Bending Materials			Эdd	Personal Protective Equipment Googles, aprons, dusk masks, gloves	Equipment sk masks, glov	es
	folder	<ul> <li>up and bent one fold at a time.</li> <li>Joins can be riveted, soldered, brazed etc.</li> </ul>		Extraction	Can be dust extraction when using machinery or fume extraction when gluing or painting.	on when using xtraction wher	gluing
		Process is called Line     Cast in pewter     Bending	bewter				]
Str	Strip Heater	A treating elements of the thermoforming plastic (acrylic) along a line.		Casting	ing		
T and and		This can then be bent to shape and held in place until cooled			<ul> <li>Used to cast metals or thermoforming plastics</li> <li>Material is melted and pours into a mould</li> </ul>	or thermoformin and pours into a	l plastics mould
		Woods can be bent by     laminating     Thin strips are glued together		Die Casting	Once cooled it can be removed and any seems tidied up     Thormcootting plactics are morted by mixing two	be removed and a tidied up	ny seems
La	Lamination .	<ul> <li>and neutring by tweep them in the desired shape.</li> <li>Once set the item is removed from the jig and trimmed to size.</li> </ul>			<ul> <li>Offen referred to as Resin</li> </ul>	r through a chemical r ch set through a chemical r Often referred to as Resin	action.

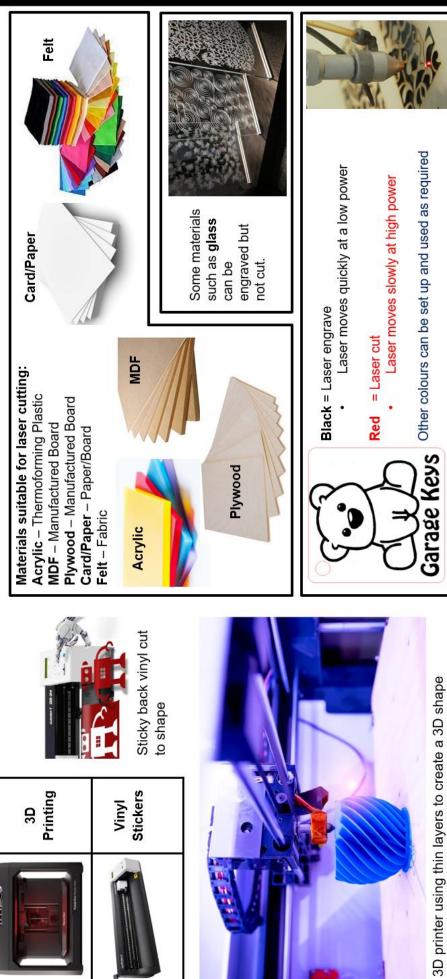
# Year 9 – Knowledge Organiser – Design & Technology – CAM

## COMPUTER AIDED MANUFACTURE

MACHINERY	24	Advantages		Disadvantages		
		Accurate to low tolerances	es	Expensive to set up		B
	Cutter	Quick – rapid prototyping	5	Requires specialist training	ЪС	1)-
1		Multiples can be produced easily	ed easily	Job loss to automation		Interlockir
	3D Printing	And the second se	Materials suitable for lase Acrylic – Thermoforming Pl MDF – Manufactured Board Plywood – Manufactured Bo	Materials suitable for laser cutting: Acrylic – Thermoforming Plastic MDF – Manufactured Board Plywood – Manufactured Board	Card/Paper	
	Vinyl Stickers	Stickv back vinvl cut	Card/Paper – Paper/Board Felt – Fabric Acrylic	aper/Board		
		to shape			Some materials	rials
			Ply	Plywood	such as <b>glass</b> can be engraved but not cut.	ss ut
			في ا	Black = Laser engrave Laser move	ser engrave Laser moves quickly at a low po	a low p

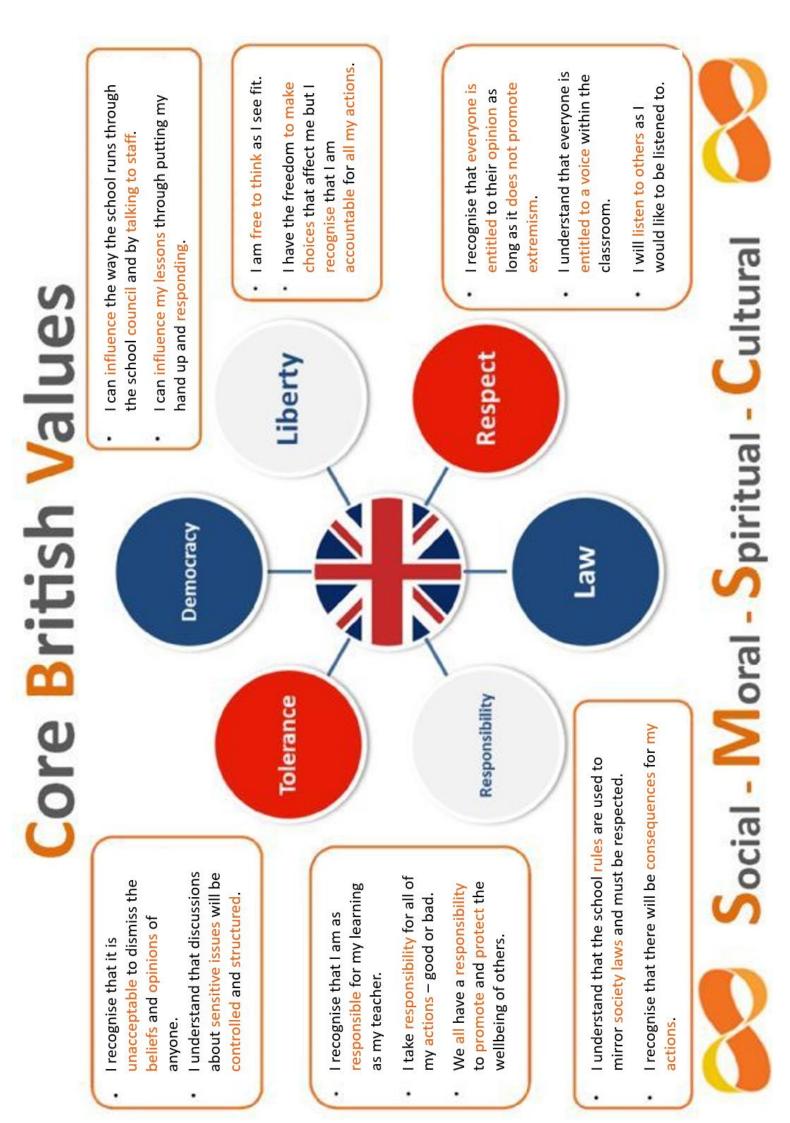


ting laser cut toy in plywood



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Theme: Testicular Cancer and Breast Cancer Organisation: Movember Website: uk.movember.com/ Theme: Eemale Genital Mutilation	Organisation: NSPSS FGM Helpline Phone: 0800 028 3550 Email: fgmelp@nspcc.org.uk Website:	buse/female-genital-mutilation-fgm/         Theme: Healthy teen relationships         Organisation: Act on it         Phone: 01270 250 390	Website: www.actonitnow.org.uk Theme: Safety, support and abuse Organisation: Childline Phone: 0800 1111 Website: www.childline.org.uk	Theme: LGBTQ+, equality, sexuality and gender Organisation: Stonewall Website: www.stonewall.org.uk	Theme: LGBTQ+ Equality Organisation: Kite Trust (Cambs) Website: https://thekitetrust.org.uk/	Theme: LGBTQ+ Equality Organisation: Norfolk LBGT+ Project Phone: 01603 219299 Website: https://norfolklgbtproject.org.uk/	Careers: Unifrog - <u>www.unifrog.org</u> Help you choose: <u>https://helpyouchoose.org/content/</u> National Careers Service: <u>https://nationalcareers service.gov.uk/</u> I Can Be A: <u>https://www.icanbea.org.uk</u>
	STAYING SAFE	ersonal	Social	H	ee ee	Education	
Theme: Sexual health, STIs, pregnancy, contraception and genitals Organisation: Brook Website: <u>www.brook.org.uk</u>	Theme: Sexual health, STIs and contraception Organisation: Young & Free/Terrence Higgins Trust Website: https://youngandfree.org.uk/	Theme: Healthy Lifestyle, balanced diet and exercise Organisation: NHS Better Health Website: www.nhs.uk/better-health/	Theme: Health, Wellness and Mental Health Organisation: NHS Phone: 111 Website: www.nhs.uk Theme: Mental Health, Wellness and self-care	Organisation: Young Minds Text line: 85258 Website: <u>www.youngminds.org.uk</u>	Organisation: FRANK (National Drugs Helpline) Phone: 0300 123 6600 Website: www.talktofrank.com/	Theme: First Aid Organisation: St John Ambulance Phone: 0370 0104 950 Website: <u>www.sja.org.uk/</u>	Image: Second