



CONTENTS

Religious Education	Design & Technology	Art & Design	Heart for Life	History	Geography	Arabic	Physical Education	French	English	Computing	Maths	Science	A Guide to Using your Knowledge Organisers
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What is a knowledge organiser?

have thought about **the most important key vocabulary, diagrams, information, and ideas that you need** to know to understand each topic and have summarised them on one A4 sheet of paper for you. The organiser easy to use and to understand. information has been organised into clear tables, diagrams or key points to make the knowledge In this booklet you will find knowledge organisers for every subject you study at Madani. Your teachers

How will Knowledge organisers help you?

each lesson. This means that you are thinking about these key ideas many times as you study the topic. you are studying, so that you can think about how these ideas are linked to what you are learning in other ideas within a topic. People remember what they have learned by thinking about it offen, and by linking key knowledge to This will make it easier to remember what you have learned and add new knowledge each lesson Your knowledge organisers include the key information and ideas for the topic

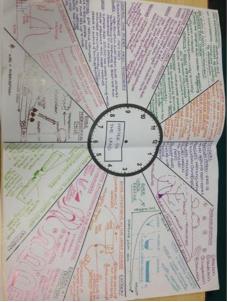
up with the activities you need to complete independently. include the key ideas from the lesson you missed. This will make it much easier to understand and catch Your knowledge organisers are also useful if you have been absent because the knowledge organiser will

How can you use your knowledge organisers?

explained below: There are many activities that you can do using your knowledge organisers. Try some of the ones

- Homework: Your teachers may assign homework linked to your knowledge organisers to help you understand the new information more clearly understand key terms and ideas from the topic. This will help you prepare for your next lesson and
- Independent Research: You could do your own research to learn more about the key ideas included in your booklet
- Creating more revision and learning tools: You can use the information on your knowledge organiser to sections for information - just like a clock) by starting with the main ideas from your knowledge organiser and adding all the specific detail you remember from your lessons to the different sections organiser and creating your mind-map or Round the Clock sheet (like the one shown below with 12 of your mind-map or Round the Clock Diagram. create mind-maps or revision clocks. You can do this by taking the key ideas from the knowledge





They are great for revision and testing your level of knowledge:

- Test yourself. Because knowledge organisers include the key information and ideas for each topic, you knowledge organiser and see if you were correct. organiser and testing yourself to see what you remember. Then uncover the information on your can use them to help you revise for tests. You can self-quiz by covering sections of the knowledge
- See how well you know the topic: Turn your knowledge organiser over and create a mind-map or write ganiser and check to see if your information is correct of if there is anything that you missed. Revise it and make sure you will remember more the next time. everything you know about the topic on a blank piece of paper. Then turn over the knowledge or-
- Create your own quizzes: Use the knowledge organiser to write your own set of questions based on the you will be able to next time. Try to answer the questions each week and see if you are able to reif you can remember the answers. Make sure you revise anything that you couldn't answer so that member more each time. information included. Once you have a set of questions, turn the knowledge organiser over and see
- Create your own flashcards. For example, you could write the key terms from your knowledge organiser on one side of the card and the definition on the other. Then use the cards to quiz yourself.
- Many of the key ideas you need to know for exams are on the mind-map. If it is included on the tested on an exam in some way. knowledge organiser your teacher thinks it is important for you to know it and you can expect it to be

It is important to remember that knowledge organisers don't include all the information that you need to know – only the main ideas. You can use them to help you remember the detail from your lessons.

How can your parents/carers use knowledge organisers to help you learn?

- Read through the organiser with someone in your family and explain the information included in the next time. know helps you to understand the key ideas more clearly and helps you remember them more easily and then answer any questions your family member might have. knowledge organiser to them. Make sure you use examples and provide as much detail as you can, Teaching someone else what you
- Ask your family to test or quizyou on the information included in the knowledge organiser. You to do this regularly and keep track of what you remember to see if you improve each time. You should try
- ₽ Sk your family to read out sections of the knowledge organiser to you, but to miss out key words or piec es of information and see if you can fill in the key terms or knowledge.
- Ask your family to test you regularly on the spellings of key words until they are perfect. Make a note the ones that you spell incorrectly to make sure that you know them next time. <u>q</u>







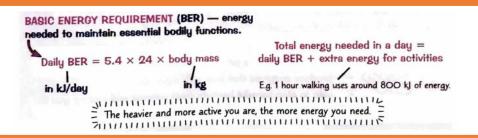


SCIENCE

Nutrition - Seven Components of a healthy diet

Componen	+		Needed For					
Carbohydra	es P		Energy					
Proteins		0	Cell growth and repair					
Lipids (fats and	oile)	0	Energy (used if carbohydrates run out)					
Vitamins	***	ă 🚿	Vital processes in the body					
Minerals	-	>	E.g. iron for healthy blood, calcium for strong teeth and bones					
Fibre		11	Moving food through digestive system					
Water			All chemical reactions in body					

Energy Requirements



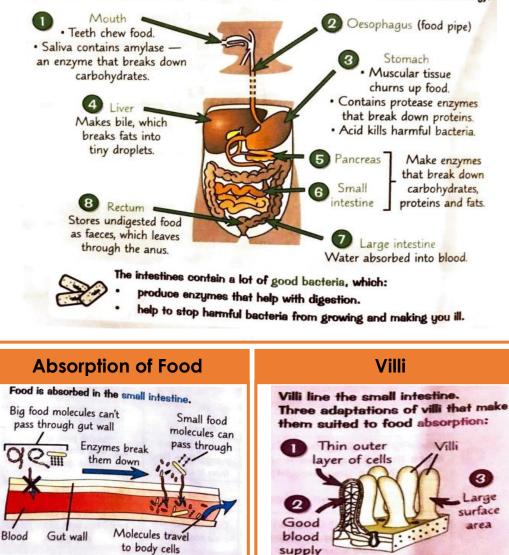
Three possible effects of an unbalances diet

1	Effect	Caused by	Possible consequences			
	Obesity (weighing over 20% more than the recommended weight for your height)	Taking in more energy from food than is used up.	Health problems, e.g. high blood pressure, heart disease.			
	Starvation	Lack of food.	Slow growth, greater risk of infection, irregular periods.			
>	Deficiency diseases E.g. lack of vitamin C can cause scurvy.	Lack of vitamine or minerale.	E.g. scurvy leads to problems with skin, joints and gums.			

Digestion – The Digestive System

DIGESTION — the process of breaking down food so the nutrients can be absorbed into the blood.

ENZYMES - biological catalysts (things that speed up chemical reactions in the bodu).





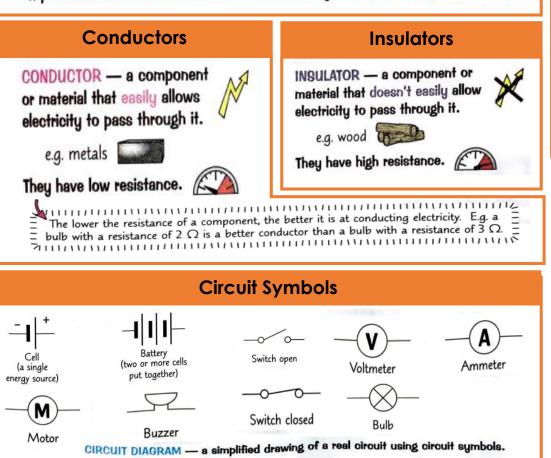
SCIENCE

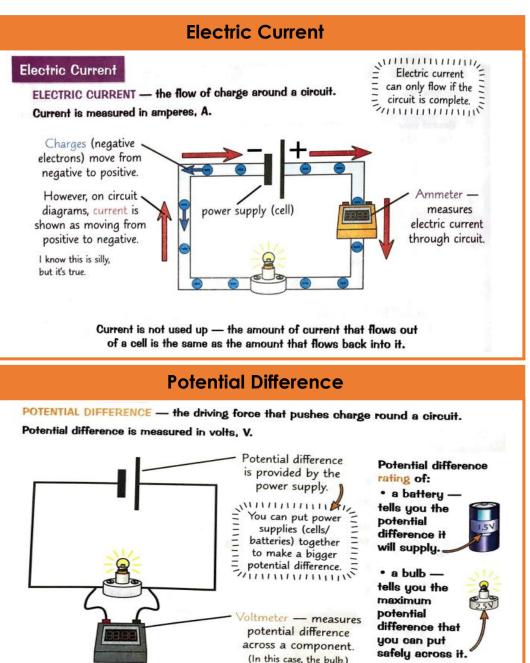


RESISTANCE — anything in a circuit that slows down the flow of current. Resistance is measured in ohms, Ω .

Resistance = Potential Difference ÷ Current

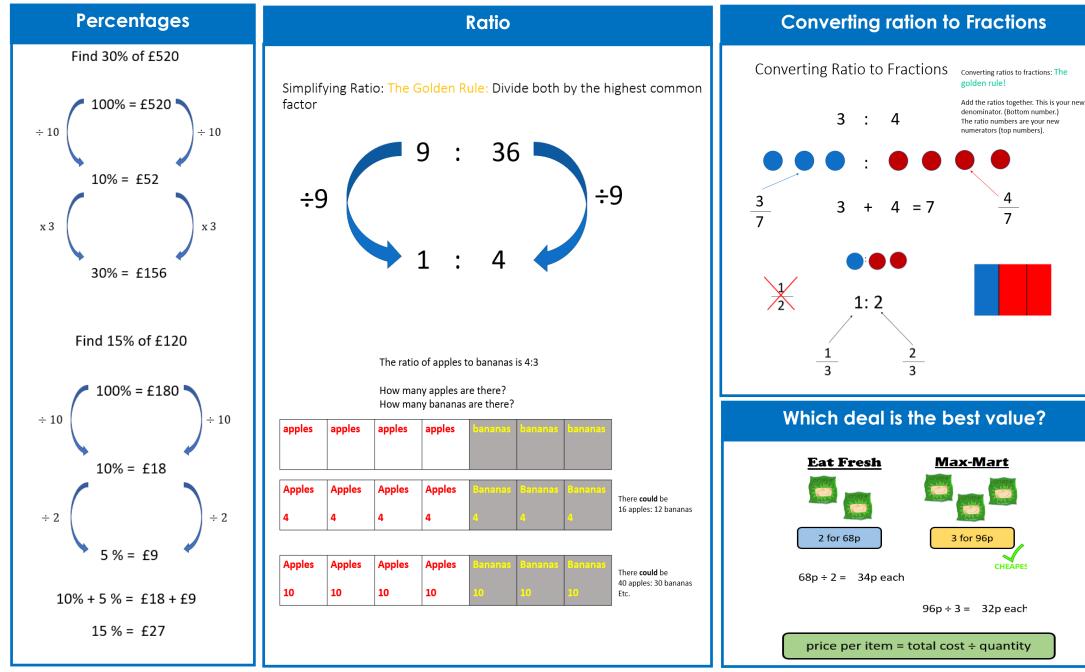
If resistance increases and potential difference stays the same, current decreases. If potential difference increases and resistance stays the same, current increases.







MATHS





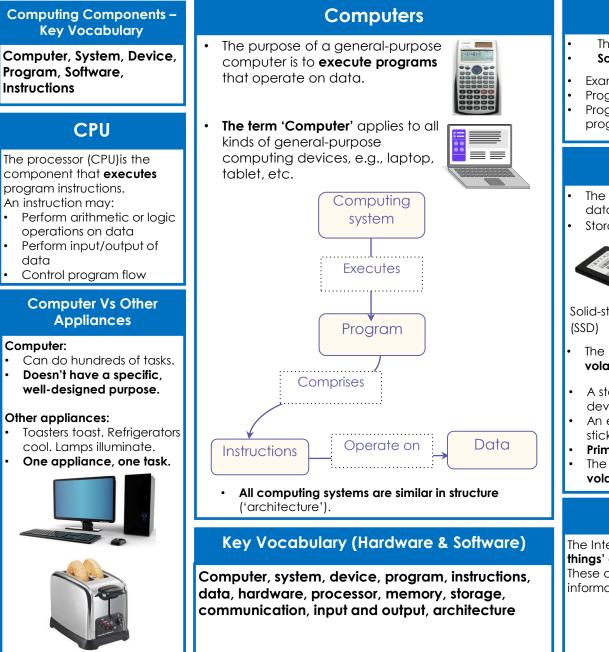
Instructions

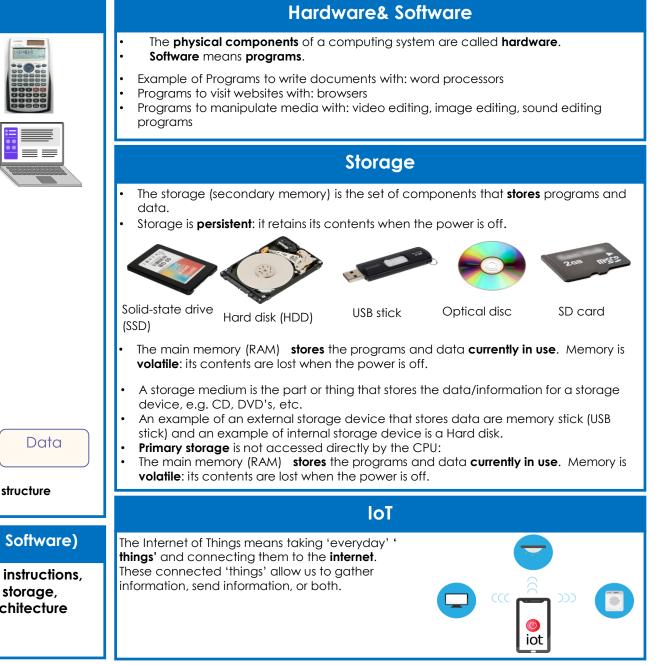
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Computer:

MADANI BOYS SCHOOL YEAR 7 HALF TERM 3

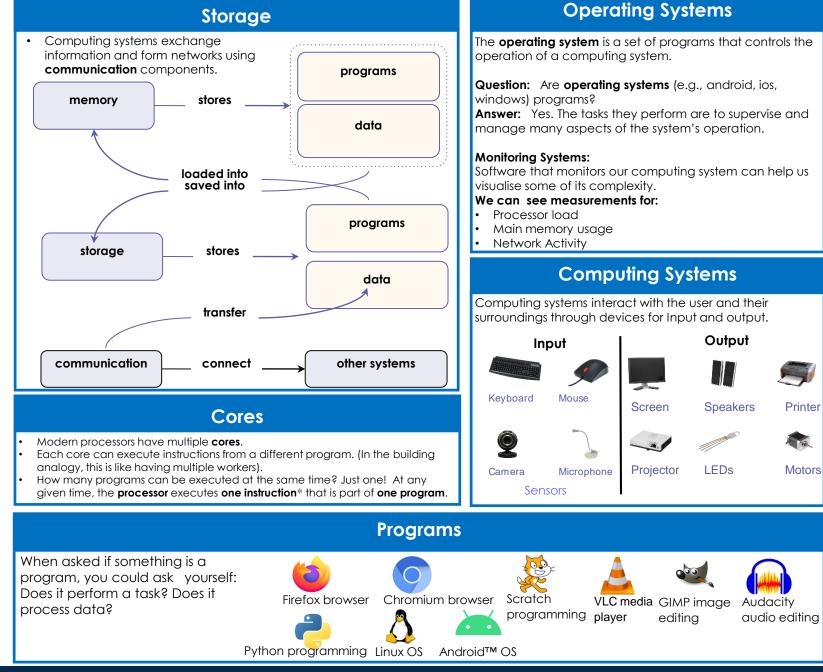
COMPUTING







COMPUTING



Computer Peripherals

Computer Peripherals are devices that allow input or retrieval of information.

Input devices allow a user to enter information into a computer, e.g., text is types, voices are recorded and images are scanned.

Output devices display results after processing of information/data.

Measuring Computer Performance

CPU performance is measured in clock speed (Hertz),

i.e. number of fetch-decode-execute-cycles the computer is able process/second. RAM performance is measured by speed(Hertz) and how much it can store (bytes). Hard drive performance is measured by how much it can store(bytes).

Bits bytes and prefixes Unit conversions but b binary digit (0 or t) byte B 8 binary digits



Content extracted from the Teach Computing Curriculum by the National Centre for Computing Education: <u>https://teachcomputing.org/</u> <u>curriculum/key-stage-3/computing-</u> <u>systems</u>



ENGLISH

	Th	e Odyssey- Background	Stru	cture and Story	Genre			
Length	12,000 lines	organised into 24 books.	Epic Poem	a narrative about an epic hero,	МҮТНЅ			
Date Written	approxima	tely 8th century B.C.		who completes a great journey and overcomes conflict.	Myths are stories that use fantasy to express ideas about			
Oral Tradition	practice of reciting well-known myths about gods and heroes, common in ancient Greece		Deus Ex Machina	(Latin: 'a god from a machine'.) A moment in a story	life that cannot be expressed easily in realistic terms. They: 1. Explain natural mysteries (the seasons, the moon rising and setting). 2. Explain something connected with			
Homer		credited for writing two masterpieces of Greek literature (The ne Odyssey).		when a god, or something supernatural, suddenly enters to help the hero.	humans (how humans were created). 3. Demonstrate what happens when someone makes good or bad decisions. 4. Show the special powers and flaws of the particular culture's gods, goddesses, heroes and villains.			
		Context	In Media Res	(Latin: 'into the middle of things'.) Beginning in the	EPIC POETRY			
The Iliad	the prequ	uel to The Odyssey, about the Trojan War written by Homer.		middle of the story.	Epic poetry is a type of poetry that was originally recited			
Trojan War	10 year b	attle between Greeks and Trojans at the city of Troy.	Narrative Functions	conventions that Aristotle believed created a good story.	and not written down. It is a long narrative poem that tells of adventures, heroes, gods and monsters. 1. It begins in media res (in the middle of the plot). 2. It has a huge setting, covering many countries and localities. 3. It			
Aegean sea	sea that t	he Greeks sailed over 1000 ships across to reach Troy.	Complication	the beginning of a story;				
Voyage of Odysseus	the 10 ye	ar return-journey of Odysseus, king of the Greek city-state Ithaca		everything that leads up to the turning point.	begins with an invocation of the muse: "Tell me, O Muse, of the man of many devices, who wandered full many ways after he had sacked the sacred citadel of Troy." 4.			
Greek Values	Hospitalit	y (xenia). Intelligence. Loyalty. Glory.	Turning Point	the climax of the story; the moment when things change	It starts with a statement of the theme. 5. It includes long lists. 6. It features long, formal speeches. 7. It shows divine			
		Places		from either bad to good or from good to bad.	intention on human affairs.			
Phaeacia	the land where Odysseus tells his story. The royal family help him finally get		Denouement	everything that happens after the turning point and that leads	Ten Quotations			
(feye-EE-sha)	home.			to the end of the story.	"My wife's face fades in my memory each day, and that's what I can't bear. That's why I ache." (42)			
Troy		lay Turkey, where Odysseus' journey home starts	Language		"Odysseus, the unkillable genius hero of Troy, with a hundred			
lthaca	Odysseus	' home, which he hopes to return to and where he is king.	llynerhole		spears aimed at his chest and a thousand arrows bouncing off his helmet." (57)			
CI	haracte	er: Conventions of An Epic Hero	Hyperbole	statements or images used to exaggerate.	"I am Odysseus. I AM ODYSSEUS, so of Laertes, known the world over for cunning and guile and strength of mind." (66)			
Favoured by th	e gods	Skilled at warfare	Epithets	compound adjectives (adjectives of two or more words)	"We'll wait for our host. Today we'll be civilized." (84)			
Mortal	Represent the value of society npressive Described using epithets			used to describe nouns. The	"Settle down and rest. We're safe here. Be quiet and let me think." (91)			
Physically impr				words in the adjective use a hyphen.	"I goaded the Cyclops with taunts." (97)			
		Characters	Imperatives	verbs conjugated to sound like commands which makes the	"Good Achilles, you're still my glorious nobleman, my God-like lord." (145)			
Odysseus Penelope	King of Ithaca, hero who fought in Troy, husband of Penelope, father of Telemachus wife of Odysseus. She is left alone for many years. She is famous for her loyalty to her			speaker sound powerful.	"Be metal-headed and iron-hearted, men. Don't swerve from the task." (158)			
	husband d	espite having many suitors.	Dramatic Irony	When the audience are aware of something that the characters	"Let the bond be remade. Let this family begin again." (214)			
Telemachus		on. He waits for the return of a father he does not know. He displays e virtues that his father has. He is depicted as loyal and brave.		are not.	"When Death asks who sent you to his gate, don't forget my name. Tell him ODYSSEUS, ODSYSSEUS, ODYSSEUS!"(258)			



MADANI BOYS SCHOOL YEAR 7 HALF TERM 3

ENGLISH

Goo	ds and Demi-Gods	Vocabulary								
Zeus	the most powerful god, whose realm is the sky, and Mount Olympus, where all the gods live	Suspicious	(adj): having or showing a cautious distrust of someone or something.	Sacrilegious	adj): an act that is disrespectful to gods or religion.	Ruthless	(adj): having or showing no pity or compassion for others.			
Poseidon	the god of the sea, Zeus' brother. Father of the Cyclops. Hates Odysseus.	Museum	(n): a building in which objects of historical, scientific, artistic, or cultural interest are stored	Delirious	(adj): in a state of wild excitement or ecstasy	Resolution	(n): the solving of a problem or the ending of a story			
Hades	the god of the underworld. Brother of Zeus. Persephone is his wife	and exhibited.		Compassionate	(adj): feeling or showing sympathy and concern for	Predicament	(n): an unpleasant			
Athena	the goddess of wisdom and war.	Destiny	(n): the hidden power believed to control future events; fate		others.		situation that is difficult to get out of			
Allena	Daughter of Zeus. Supporter of Odysseus.	Hood- winked	(v): deceive or trick.	Exile	(n): the state of being barred from one's native country, typically for political or	Farcical	(adj): something having absurd or ridiculous			
Hermes	the god of travellers (and tricksters and thieves). He is a son of Zeus, and flies with winged sandals.	Rapture	(adv): in a miserably inadequate or ridiculous way.	Wily	punitive reasons (adj): skilled at gaining an advantage, especially		aspects. (adj): something having absurd or ridiculous aspects.			
Persephone	queen of the underworld, wife of	Devours	v): eat (food or prey) hungrily		deceitfully	Disappeared	(v): to cease to be visible.			
	Hades. Daughter of Zeus.		or quickly.	Hospitality	(n): the friendly and generous reception and	Self-	(n): lack of respect;			
Helios	the god of the Sun.	Lurked	(v): be or remain hidden so as to wait in ambush for someone		entertainment of guests,	indulgence	rudeness.			
Calypso	the semi-divine nymph who imprisons Odysseus for seven years. He is on		or something.	Sadistic	visitors, or strangers (adj): deriving pleasure from	Impertinence	(n): the act of allowing yourself to have or do the			
	her island when the story opens.	Maelstrom	Maelstrom (n): a powerful whirlpool in the sea or a river.		inflicting pain, suffering, or		things that you enjoy very much.			
Circe	an enchantress who turns men into animals. Odysseus and his men stay	Devilment	(n): mischievous conduct.		humiliation on others		moen.			
	with her for one year.	Mortal	(adj): subject to death	Land of t	5 2					
	Monsters	Hazardous	(adj): risky; dangerous.	(Tiresias)	Land of the Dead (Tiresias)					
Cyclops	a one-eyed monster who herds sheep in a remote country. Son of Poseidon.	Vortex	(n): a whirling mass of fluid or air, especially a whirlpool or whirlwind.	GREECE Ismarus (Cannibats) GREECE (Cicones) (Cicones) Olympuse (Corres)			Dardanelles			
Charybdis	a deadly whirlpool, personified as a female sea-monster.	Forlornly	adv): pitifully sad and abandoned or lonely	3	ASIA MINOR					
Scylla	a six-headed monster who lives in the cliffs nearby Charybdis.	Docile (adj): ready to accept control or instruction; submissive.		~	Aeolus (god of the winds) SiCILY Scylia Ogygia Isle ((alypso)					
Sirens	mythical creatures (often described as half-woman, half-bird) whose	Deceit	(n): to deceive someone; trickery		(1) 5 - (island of the sun god)) and	•• ~ ~			
	singing and promise of knowledge lure people, especially sailors, to their death.		(adj): generously given or giving.	Lotus Eaters MEDITERRANEAN SEA						



FRENCH

Learning Objectives

By the end of the						
term, I can						
communicate (talk,						
ask and answer)						
about:						
 My family 						
 School subjects 						
 Your friends 						

Your home

I will be able to understand and apply rules about:
Present tense avoir and être
Pronoms le, la, les
Possessive adjectives
Adjectives agreement
Connectives
Comparatives

Grammar Objectives

School

l'anglais	English
les arts plastiques	Art
l'EPS	Sport
le français	French
la géographie	Geography
l'histoire	History
les maths	Mathematics
la musique	Music
les SVT (sciences de la vie et de la terre)	Science
la technologie	Technology
Ma matière préférée, (c')est	My favourite subject is
j'adore (ça)	I love (it/that)
j'aime (ça)	I like (it/that)
ça va	it's OK
je n'aime pas (ça)	I don't like (it/that)
je déteste (ça)	I hate (it/that)
C'est	It's
créatif/ennuyeux/inutile/ passionnant/nul/ relaxant/utile	creative/boring/pointless/ exciting/rubbish/ relaxing/useful
C'est plus/moins intéressant que	It's more/less interesting than

Friends							
J'ai un/une meilleur(e) ami(e).	I've got a best friend.						
Je n'en ai pas.	I don't have one/any.						
J'ai une grande bande de copains.	I have a big group of friends.						
Je le/la/les connais depuis	I have known him/her/ them						
un an/deux ans.	for one/two years.						
que je suis petit/bébé.	since I was small/a baby						
toujours.	always						
l'école primaire.	since primary school						

Family							
J'habite avec	I live with						
J'ai qui s'appelle/ s'appellent	I have who is/are called						
il/elle s'appelle	he/she is called						
ils/elles s'appellent	they are called						
je l'appelle	I call him/her/it						
Je n'ai pas de	I don't have a						
Je n'ai plus de	I don't have a any longer.						
séparés/divorcés	separated/divorced						
adoptif	adoptive						
Je suis fils/fille unique.	I am an only child.						
une mère/belle-mère	mother/step-mother						
un père/beau-père	father/step-father						
des parents	parents						
maman/papa	mum/dad						
une sœur/demi-sœur	sister/half-/step-sister						
un frère/demi-frère	brother/half-/step-brother						
des grands-parents	grandparents						

Opinions & Connectives

À mon avis,	In my opinion,					
Je pense que	I think that					
On dit que	People say that					
parce que / car	because					
et	and					
mais / par contre	but / on the other hand					

Describing Personality

Tu es comment?	What are you like?
Je suis quelqu'un de (d')	I am a(n) person.
je suis/je ne suis pas	I am/I am not
tu es/tu n'es pas	you are/you are not
il/elle est	he/she is
un peu/assez/très	a bit/quite/very
actif	active
adorable	adorable
amusant	funny
bavard	chatty/talkative
courageux	brave
créatif	creative
fidèle	faithful
généreux	generous
gentil	kind
heureux	happy
intelligent	intelligent
méchant	horrible
sociable	sociable
sportif	sporty
timide	timid/shy
travailleur	hard-working



FRENCH

				Ke	y Gra	m	mar						
Verbe Etre / to be (present tense) Je suis / I am Tu es / you are II/elle/on est / He-she is Nous sommes / we are Vous êtes / You are IIs/elles sont / they are							Verbe Avoir / to have (present tense) J'ai /I have Tu as /you have II/elle/on a / He-she has Nous avons / we have Vous avez / You have IIs/elles ont /they have						Tu es comment ? Tu es comment ? Comment est ta famille Tu as des frères et sœurs
le, la, les								ma	sculine	femir	nine		
<i>Le, la, les</i> r 'her' and 't		the' but	they can a	lso m	lean 'him	ι',	je suis	am	usant	amus	ante		
Mon meill	MISSERCO (2004)	Je le d	connais	I have	e known			int	elligent	intelli	igente		Avec qui habites-tu ?
ami s'appelle <u>depuis trois an</u>			him f	or three			bay	vard	bavar	bavarde		Comment s'appelle ton	
Baptiste.		10.10	onnoio	<u>years</u> .				act	if	active	9		frère/ta sœur ?
Concerned Francischer aus	Ma meilleure Je la connais amie s'appelle <u>depuis six ans</u> .		estes plant menses s	I have know her for six				cré	atif	créati	ive		
Emmeline				years.				spo	ortif	sport	sportive		Tu aimes l'école ?
Mes meille amis s'app					I have known them <u>for ten</u>			CO	urageux	coura	ageuse		Quelles matières préfère
Jeanne et		depuis dix ans. them f years.						par	esseux	pares	paresseuse		
Making co	mparis	ons						tra	vailleur	travai	illeuse		
			(less) in fron	t of ar	liectives to	0		SOC	tiable	socia	ble	1	Tu aimes le Français ? Pourquoi ?
Use plus (more) or moins (less) in front of adject make comparisons between subjects.				geenves a	0		tim	ide	timid	е			
Le			l'anglais.			ade	orable	adora	able				
français,					words th	essive adjectives are the ds that describe who or what				ĺ	Comment est ton/ta meilleur(e) ami(e) ?		
L'anglais, je n'aime	C'est	moins	intéressant	que	le françai	S.	masculi		feminine	plural			Comment s'appelle ton, meilleur(e) ami(e) ?
pas ça.							mon ton		ma ta	mes tes	my your		Comment étais-tu petit(

	Model Text	
Tu es comment ?	Je suis un peu timide. Je suis intelligent.	I am a bit shy. I am intelligent.
Tu es comment ?	Je ne suis pas sociable. Je ne suis pas amusant(e).	I am not sociable. I am not funny.
Comment est ta famille ?	Ma famille est sympa. Ma famille est grande.	My family is nice. My family is big.
Tu as des frères et sœurs ?	Oui, j'ai un frère et deux sœurs. Non, je n'ai pas de frère et sœur. Je suis fils/fille unique.	Yes, I have one brother and two sisters. No, I don't have brother and sister. I am only one child.
Avec qui habites-tu ? Comment s'appelle ton	J'habite avec mon père, ma mère et mes trois sœurs.	I live with my dad, my mum and my three sisters.
frère/ta sœur ?	Mon frère s'appelle Ma sœur s'appelle	My brother called My sister called
Tu aimes l'école ? Quelles matières préfères-tu ?	Oui, j'aime l'école. Non, je n'aime pas l'école.	Yes, I like school. No, I don't like school.
	Je préfère les maths et les sciences.	l prefer Maths and Sciences.
Tu aimes le Français ? Pourquoi ?	Oui, j'adore le Français	Yes, I love French
	Car c'est très intéressant.	Because it is very interesting.
Comment est ton/ta meilleur(e) ami(e) ?	Mon/ma meilleur(e) ami(e) est loyal(e).	My best friend is loyal.
Comment s'appelle ton/ta meilleur(e) ami(e) ?	Mon/ma meilleur(e) ami(e) s'appelle	My best friend called
Comment étais-tu petit(e) ?	Quand j'étais petit(e) j'étais paresseux(se)	When I was little, I was lazy.



PHYSICAL EDUCATION

Rugby Skills

Hands:

- passing (lateral, spin)
- offloading (before contact)
- catching (from pass)
- running with the ball (evasion side step or swerve)
- Intercepting

Rugby-Use of Skills In Game Situations

Head:

- · Contributing to strategy and tactics
- Decision making
- Adhering to rules, health and safety guidelines

Heart:

- Ability to influence the performance and motivation of self
 and others
- Accurate repeating of actions and sequences.
- Adhering to rules, health and safety guidelines





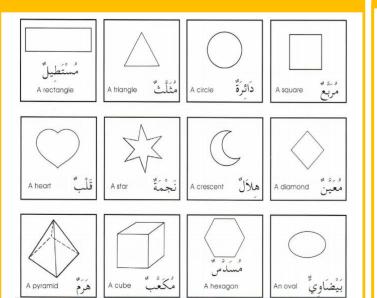
Gymnastics

Hands: Perform a mixture of balances and rolls Head: To plan 3 balances. To plan a sequence of balances and rolls.



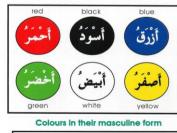
ARABIC

Shapes



Colours

Colours in their masculine form



oranae

pink

brown

رَ مادي ّ

grey

body

arm

wrist

finger

\$ 10

إصبع

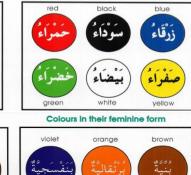
back

جوانية

purple

violet

purple



pink

Colours in their feminine form

A Nominal Sentence

الجُمْلَة الإسْمِيَّة

Is a sentence that begins with a noun السم. It has two parts: the subject المُبْتَدأ and the predicate الخَبَر.

- * The Subject will always be Definite (will (آڭ begin with
- * While the Predicate will always be Indefinite (will only take a Tanween)

* When the Subject and the Predicate come together, they form a full sentence.

الخَبَر	المُبْتَدَأ	الجُمْلَة
جَدِيْدَة	السَّيَّارَة	السَّيَّارَة جَدِيْدَة.
_		

Translation: The car is new

Numbers

	Fem.	Masc.	
1	واحدَةٌ	واحد	١
2	اِثْنَتَانِ	ا ثْنَانِ	۲
3	ثَلاَثَةٌ	ثَلاَثٌ	٣
1	أَرْبَعَةٌ	أربع	٤
5	خَمْسَةٌ	خَمْسٌ خَمْس	
6	مية ميتة	ست ^و	٦
	سَبْعَةٌ	سَبْعٌ	٧
3	ثَمَانِيَةٌ	ثَمَان	٨
)	تسعة	تِسْعٌ	٩
10	عَشَةً	عَشْ	۱.

Asking Questions

So far, we have learnt how to ask `What is?' using the word $? $				
مَنْ ؟ To ask `Who is?' we use the word				
مَنْ هَذا؟ (Who is this? (masculine) مَنْ ذَلِكَ؟ Who is that? (masculine)				
مَنْ هَذَهِ؟ (Who is this? (feminine) مَنْ تِلْكَ؟				
and أَ , which are written at the beginning of a sentence, are two ways of asking questions such هَلُ هَذَا قَلَمٌ؟ (as 'Is this?' in Arabic. e.g. Is this a pen?				
Note how $\tilde{\mathfrak{f}}$ becomes part of the following word, but $\tilde{\mathfrak{g}}$ is written separately.				
In order to answer this type of question, we need to learn the words for 'yes' and 'no' in Arabic:				
Yes = نَعْم and no = ۷.				
Note also the shape of the question mark in Arabic: $ m \$$				

Feminine Nouns Masculine Nouns \$ 0, head رأس شعرة em? hair eye عين \$0 , \$0 , وجه د م أذن chest face صدر ذراع ear arm أنفُ بَطْنٌ stomach nose \$, شفةٌ يد lip hand 3 . ذراعٌ cheek خد رجْلٌ 3 tooth سن 2 كَتف mouth shoulder م 8. : لسان قدم tongue مرْفَقٌ لسكانٌ elbow tongue ا كْيَةً \$,0, ذَقَنٌ \$, 0 forehead جنهة knee chin nees \$ \$\$ Note that many (though not all) of the parts of إبْهامٌ thumb neck عنق the body that occur in pairs are feminine

ظَهْرٌ

رَ ماديَّةٌ

grey

Body Part Names

Friends & Family

هَا نَادِيَة.	ختٌ اسْمُ	ن لِي أُ	ي حَسَ	اسم
	، وو و اسمه يا			-
	لْمُسْتَشْفَ فِي مَدْرَ	- /	-	
120012573	ِي رُ وَجَمِيلَةٌ	قَصِيرَةٌ) امرأة	هِي
	ه ر ت		مُهَا زَيْ	
•	مُحَمَّل	، اسمه	صديق	لِي



CAUSE

EFFECT

RESPONSE

WATERFALL MEANDER

OXBOW LAKE FLOODPLAIN

LONG PROFILE

CROSS PROFILE

GEOGRAPHY

Rivers

A river is a movina body of water that flows from its **source** on high ground, across land, and then into another body of water, which could be a **lake**, the **sea**, an ocean or even another river.

Flooding

A flood occurs whenever a river overflows its banks. A flood becomes a problem when the water rises to a level where it threatens property and/or life. Rivers usually flood due to a range of physical factors, which can be divided into climatic factors and drainage basin characteristics. Human intervention can also make flooding worse

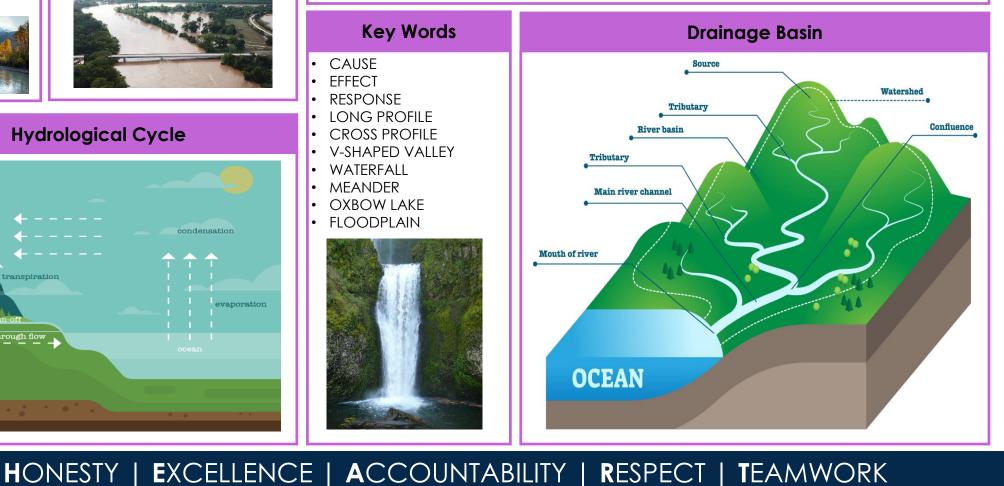


EROSION where rocks are worn away and the land changes shape

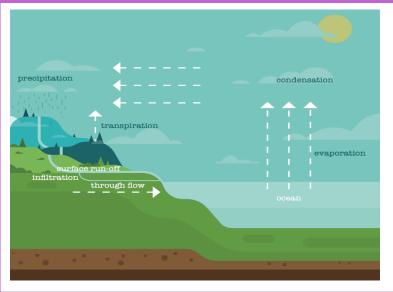
- **TRANSPORTATION** where eroded material is carried by the river downstream
- **DEPOSITION** where transported material is dropped when the river loses energy, such as when it enters the sea

River Processes





Hydrological Cycle





HISTORY

Topic

Medieval Religious Beliefs

Monks

Monks are men that decided to devote their whole lives to God. They left their families, homes and possessions and moved into a Monastery as a Monk, Monks first arrived in England in the sixth century when Saint Augustin a Benedictine monk, built the first Monastery.

A Monk's life was not an easy one. They could not be married, ate very simple food and worked hard and their lives were dominated by prayer; every three hours; day & night!

Women could became nuns, lived

in Nunneries and lived lives that

monasteries. There were not as

they hardly ever worked with

Usually, women had to pay to

become a nun. Sometimes a

nun. Nuns were important to

be supported otherwise

family might pay a fee called a

dowry to a Nunnery so that one o

their daughters could become a

unmarried women who might not

many Nuns as Monks though, and

were often built next to

books or manuscripts.

were similar to Monks, Nunneries

Nuns



Monasteries

Monasteries were the buildings which were devoted to God where monks lived. Nuns lived in similar buildings called nunneries. The monastery also included a library and were one of the few places where people could read and write. They also looked after the sick and the poor and provided work for people in the community



Was The Church C

Evidence that the Church was central to people's live Medieval people went on pilgrimages, visiting holy sites in the hope of curing illness and gaining entry inf Heaven after they died People went on Crusades, fighting to claim back the Holy Lands from the Muslims. The Crusades wer long and dangerous Doom paintings showed scenes from the Afterlife, and encouraged Medieva people to behave properly so they could enter Heaven. Most people believed they could not go to Heaven if they did follow the church's rules

en	tral To Peoples Lives?					
	Evidence that the Church					
es	was not central to people's lives					
	Some people went on					
	pilgrimages for non-religious					
	reasons. Sometimes they					
to	hoped to make money and					
	sometimes they just wanted					
,	adventure					
	The Crusaders could steal					
	and loot from the Holy					
ere	Lands. Some Crusaders					
	acted violently towards the					
	people in the Holy Lands					
	There were some people					
al	who did not have a strong					
ly	Christian faith. Near the					
	end of the Medieval period					
	some people began to					
0	question the church's					
w	teachings.					

	Key Terms		
	Роре	Leader of the Catholic church. People believed the Pope was chosen by God and so was infallible (Could not make mistakes)	
	Archbishop	The head of the church in England. Had the power to crown kings and run the church courts	
	Bishops	Officials who helped the archbishop run the Catholic church	
	Parish Priest	Led individual churches in small communities	
	Excommunicate	When the archbishop or the Pope banned someone from the Catholic church. If you were excommunicated, people believed you could not go to heaven	
	Latin	The language that was used for church sermons (talks) and for the bible	
s	Pilgrimage	A long journey, usually to an important religious site	
k k	Doom painting	A large painting in a medieval church, usually showing scenes from Heaven, Hell and the Afterlife	
	Crusade	Expedition (long trip) made to take back the Holy Lands, especially Jerusalem, from the Muslims	
;	Relic	An object thought to have religious importance, like a cross owned by a saint	
	Purgatory	The place where a sinner goes before his or her soul is allowed to enter Heaven	
ł	Mass	An important religious ceremony for Catholics	
	Superstition	A belief based on magic and the unknown, like good and bad luck	
	Tithe	A tax of 10% of people's income that was paid to the church each year	



HEART FOR LIFE

Looking After Ourselves-Key words			
PubertyThe physical changes through which a child's body matures into an adult.			
Adolescence	Following the onset of puberty during which a young person develops from a child into an adult.		
Hormones	Essential for every activity of life, including the processes of digestion, metabolism, growth, reproduction, and mood control.		
Mental Health	Our emotional, psychological, and social well- being. It affects how we think, feel, and act. It also helps determine how we handle stress, relate to others, and make choices.		
Emotional Health	nal A person's ability to accept and manage feelings through challenge and change.		
Self Esteem	An individual's evaluation of their own worth, beliefs about oneself as well as emotional states, such as triumph, despair, pride, and shame.		
Body confidence	How a person feels about the way they look. When we have body confidence we accept, and are happy with, how we look and what our bodies can do.		

 Healthy
 A state of complete physical, mental, and social well-being.

 Beer pressure
 Rear pressure is the direct influence on people by

Peer pressure Peer pressure is the direct influence on people by peers, or the effect on an individual who gets encouraged to follow their peers by changing their attitudes, values or behaviours to conform to those of the influencing group or individual. This can result in either a positive or negative effect, or both.

What Skills will I Develop in Heart for Life ?

Each lesson will have opportunities to develop your skills through a variety of learning activities, ranging from:

- Thinking skills
- Enquiry and evaluation skills
- Research skills
- Debate and communication skills
- Active learning.
- Reflective learning skills.
- Personalised learning skills.
- Revision and recall.





RSE and Health Education Link

This unit covers RSE topics; puberty, self esteem, peer pressure and online and media. All RSE is underpinned by Madani's ethos and Islamic teachings. We will also cover what is a healthy lifestyle and how to achieve it.

Overview

Students will explore the different stages of puberty and changes during adolescence. They will consider how puberty impacts their emotional and mental health, how they can cope with hormonal changes and maintain a healthy lifestyle throughout their adolescence. Students will also look at strategies to maintain positive self esteem and body confidence through puberty and hormonal changes.

Key Concepts

Relationships, Living in the Wider World and Health and Wellbeing.

Essential Attributes Developed Through Heart for Life

- Self -Improvement
- Resilience
- Self-organisation
- Clarifying own values
- Developing and maintaining a healthy self concept
- Empathy and compassion
- Respect for others
- Skills for employability
- enterprise skills



ART & DESIGN

	Key Terms		Typography
Typography	The art, craft or process of composing type (letters/ words)	Upper Case	ABCDEFG
Serif	Small line attached to font to finish		
San Serif	'Without' small line	Lower Case	hijklmnopgr
Point	A measurement for font size		
Ascender	Parts of the letter that ascend above the others in height I.e.h	Graffiti	
Descender	Parts of the letters that descend below others I.e.y		
Baseline	The bottom of most letters without descenders		
Tracking	Equal spacing between letters within a word	Calliaranhu	
Kerning	Space between individual letters	Calligraphy	FILL SET I
Cursive	Any style of penmanship in which some characters are joined together in a flowing manner	Turalian	
3D- Three Dimensional	Something that has height , width and depth (length)	Tracking	ISMAIL
Calligraphy	The art of producing handwriting or lettering		
Graffiti	Writing or drawing, scribbled, scratched or sprayed primarily on a wall or other public space		IISMALL
	Graffiti & Calligraphy	Kerning	Jeman Ibmalin
Graffiti	STA STA		EQUAL UN EQUAL SPACE SPACE 7
	-B GP B	3D	30
Calligraphy	ake pros		



Design , Technology & Engineering

Topic

Engineering Materials and Properties

Material Properties

Strength:

The ability of a material to resist an applied force

Ductility:

The amount a material can be deformed

Malleability:

The ability of a material to be deformed without rupturing

Hardness:

The ability of a material to resist wear and abrasion

Toughness:

The ability of a material to withstand an impact without breaking

Brittleness:

The opposite of toughness; the potential for a material to shatter when it experiences an impact

Stiffness:

The ability of a material to resist bending

Young's Modulus:

the ratio of stress to strain of a material, showing how stiff it is



Polymers

• Polymers are the most commonly used material type in commercial production.

Thermoplastics: Consist of long chains of repeating chemical parts; the individual chains are weakly attached to each other making the material ductile. Therefore when they are heated they soften and can be reshaped; then harden when cooled.

Thermosetting polymers: Consist of long chains that contain extra links that that stop the chains from moving. When reheated the either char or burn

Composites: Are materials made by combining two or more different types of material.

Factors Influencing the Design of Solutions

Energy requirements:

1.Obtaining Material

- 2.Refining Material 3.Chaging Material Shape
- 4. Changing Material Properties
- 5.Transportina Materials

Sources of energy: Renewable & Non-Renewable

Non renewable energy sources: Coal, Oil, Natural Gas

Nuclear energy: uses radioactive material, low cost, can cause issues for health and the environment

Renewable energy sources: Wind Power, Tidal Power, Biomass, Solar Power

Engineering Lifespans

Engineering Lifespans:

Obsolescence (Quality/Function/Desirability) Maintenance of Engineered Products:

Maintenance of Engineered Products: Reactive Maintenance

Proactive Maintenance

Availability of Materials And User Requirements:

Suppliers going out of business

Market forces, where demand for a material is greater than supply Limits on the ability to obtain a material from a foreign country, such as local wars or trade restrictions

HONESTY | EXCELLENCE | ACCOUNTABILITY | RESPECT | TEAMWORK

Metals & Alloys

Metals are made from metal 'ores'. The ore's are rocks/minerals dug from quarries/mines then refined & processed, turning them into usable forms

Alloy: A mixture of two or more metals **Ferrous metals:** Contain iron as their largest alloying element.

Non-ferrous metals: Do not contain iron **Aluminium:** Commonly found, usually alloyed, corrosion resistant, low density. Uses- drinks cans, aeroplane wings and body panels

Copper: Can be alloyed to make brass and bronze, excellent electrical and thermal conductor, extremely ductile. Uses- electric wires, water pipes

Lead: Relatively soft, malleable, ductile and good corrosion resistance. Uses- construction, around roofs, shielding radiation

Zinc: Low melting point, good for die-casting. Usescar door handles, camera bodies

Changing the properties of metal products:

alloying allows-modifying the structure of the metal, changing the surface chemistry **Available forms:** Ingots, flat plates, sheets, strips, bars, rods, tubes, pipes, standard section forms and wire

Material Costs & Supply



Cost: Is the price of the product/material Availability: How easy it is to get/obtain Form: The shape and dimensions of a material Supply: Making something available Calculating costs: Based on amount of material required including aesthetic and functional considerations





RELIGIOUS EDUCATION

Торіс	Jesus As The Messiah		Christianity
 Christianity: Beliefs Worship Practice 	Messiah is a Hebrew word meaning 'anointed one'. Christians believe that Jesus is the Messiah because through his crucifixion and resurrection h e brought salvation to humankind.	Beliefs	While there are many different types of Christians, the majority of Christians share the same basic beliefs. All Christians believe in one God, and most also believe that Jesus was God's son sent to Earth in human form. Jesus was put to death but was resurrected and ascended to heaven. Christians believe that the events of Jesus's life are important and that people should follow his teachings.
	God gave his only son, Jesus, so that all humans could be saved	Holy Book	The Christian holy book is the Bible, which means 'books' as it is a collection of many different books gathered together into a single volume. The Christian Bible is divided into the Old and New Testaments. The Old Testament was written before the birth of Jesus and is based on ancient Jewish scriptures called the Tanakh. In Protestant Christianity, there are 39 Old Testament books, with 46 in Catholicism.
Key Words Jesus	Jesus was a perfect human - he had no sin		
 Church Messiah Bible 	God placed all of humanity's sins	Worship	Many Christians worship in special buildings such as churches or chapels, and Christian worship can be different depending on the denomination.
 Trinity Saviour Jesus As The Son Of God 	on Jesus when he was crucified Jesus' actions meant that there was a reconciliation between God and humanity	Symbol	The cross is the symbol of Christianity. Jesus Christ was executed by the Romans and died by being crucified on a wooden cross. Christians remember his death and resurrection by wearing crosses. Sometimes crosses will have a figure of Jesus on them. These are called crucifixes.
Most Christians believe that Jesus, as well as being fully human, is also fully God. Most Christians believe that Jesus is the second person of the Holy Trinity and is the Son of God.	Jesus' death atoned for human sin As a result of Jesus' sacrifice, humans now have the possibility of going to Heaven	Denominations	Christians share many beliefs, but they don't all agree on everything. This has resulted in the development of different groups within the religion called denominations. Examples of these include Anglican, Methodist, Baptist and Catholic. Different Christian denominations worship in different ways. Anglicans, Catholics and Orthodox Christians have a set form of worship. It is a formal ritual based around the sacraments, particularly Holy Communion.



RELIGIOUS EDUCATION

Торіс	Sikhism	
 Sikhism: Beliefs Worship Practice 	Beliefs	Sikhism was founded in the Punjab region of India by Guru Nanak who was born in the year 1469. Guru Nanak taught that everyone is equal in the eyes of God. The word Guru means a spiritual guide or teacher. Sikhs believe in one God called Waheguru which means 'Wonderful Lord' or 'Wonderful Teacher'. Waheguru gives life to everything, and all life is part of Waheguru.Many Sikhs today join the Khalsa, which is a special community of initiated Sikhs. It was started by Guru Gobind Singh, the tenth Guru. To be part of the Khalsa, Sikhs must take part in the amrit ceremony, where they promise to keep all the rules of their religion and wear the 5 Ks.
	Holy Book	The most important Sikh holy book is called the Guru Granth Sahib. The Guru Granth Sahib is a collection of songs, prayers and hymns from the Sikh Gurus and other holy men, as well as teachings from other faiths. Sikhs believe that the Guru Granth Sahib is the word of God, and it is used in all Sikh worship and ceremonies. Sikhs show the Guru Granth Sahib great respect and it is treated as if it is a living person. The Guru Granth Sahib is placed on a throne in the gurdwara called a takht, and is cared for by a Granthi who reads aloud from the book during ceremonies. The Granthi also make sure that the book is covered by cloth when not in use and that it is protected from heat and dust.
Vaisakhi	Worship	Sikhs worship in a gurdwara. The word gurdwara means 'door to the guru'. The gurdwara brings Sikhs together and supports the Sikh message of equality by offering food, shelter and company to anyone who may need it,
Guru Gobind Singh was the last of the ten gurus of the Sikhs and the founder of the Khalsa (a		regardless of their faith. A gurdwara does not have to be a special building, but it must contain the Guru Granth Sahib, the Sikh holy book. You can identify a gurdwara by a yellow flag flying outside with the Sikh symbol on it. This is called the Nishan Sahib
special community of initiated Sikhs who take on the wearing of the 5Ks). Vaisakhi is the festival celebrated by Sikhs to remember the formation of the Khalsa, and celebrate the start of the Sikh New Year.	Symbol	The Khanda is the symbol of the Sikh faith. It consists of three different types of weapons: -A double edged sword or khanda in the centre. -A round throwing weapon known as a chakkar. -Two single-edged swords called kirpans, crossed either side of the other weapons.
	The Khalsa	The amrit ceremony is one of the most important ceremonies in Sikhism. It was started by Guru Gobind Singh, the tenth Sikh Guru, who called for Sikhs to defend their faith against the persecution that was happening to them at the time. Guru Gobind Singh asked for volunteers who were prepared to die for their faith. Five men volunteered, but instead of being killed, they were spared and became known as the panj piare – which means 'the five beloved ones'. They were the first members of the Sikh community known as the Khalsa.



How is Guru Nanak celebrated?

To celebrate Guru Nanak Gurpurab, the Sikh community gathers together to take part in a street procession called a nagar kirtan. The Guru Granth Sahib (the Sikh holy book) is carried through the streets on a specially decorated float, Sikhs join together to sing, dance and play musical instruments.

Sikh worship and festivals are followed by the langar. This is a free, vegetarian meal which takes place in the Gurdwara, the Sikh holy building. This meal is offered to everyone, regardless of their faith and is cooked and served by both men and women, with everyone sitting together on the floor to eat. The langar symbolises equality, which was one of the most important teachings of Guru Nanak

MADANI SCHOOLS FEDERATION

