



# CONTENTS

# 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

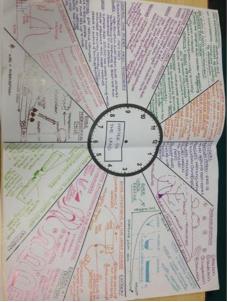
up with the activities you need to complete independently. include the key ideas from the lesson you missed. This will make it much easier to understand and catch Your knowledge organisers are also useful if you have been absent because the knowledge organiser will

# 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>

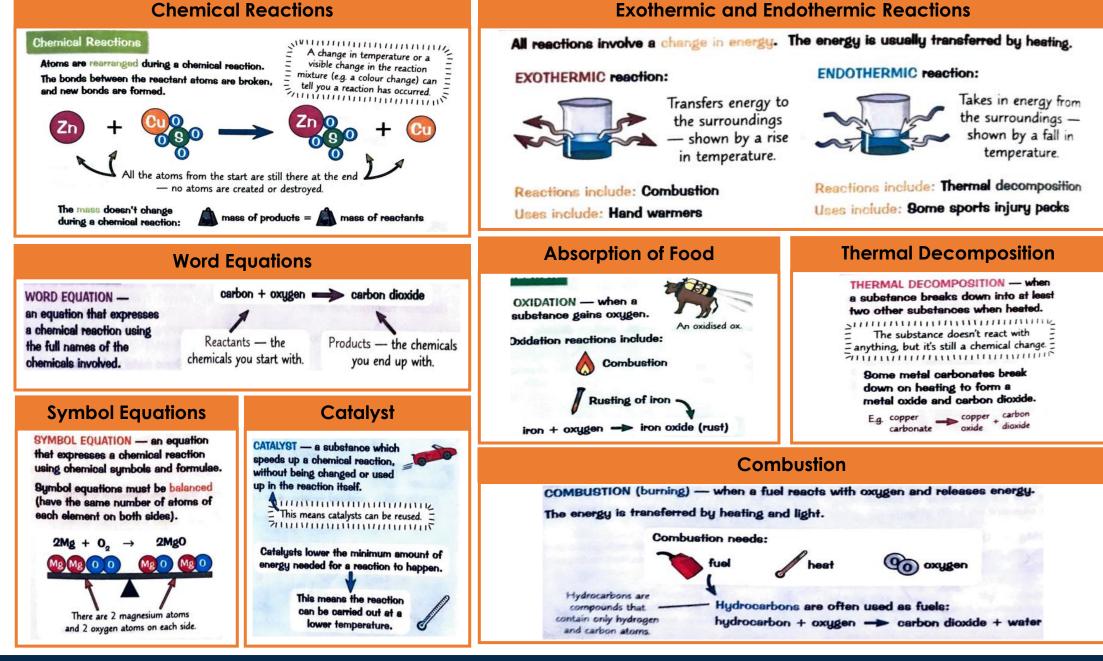






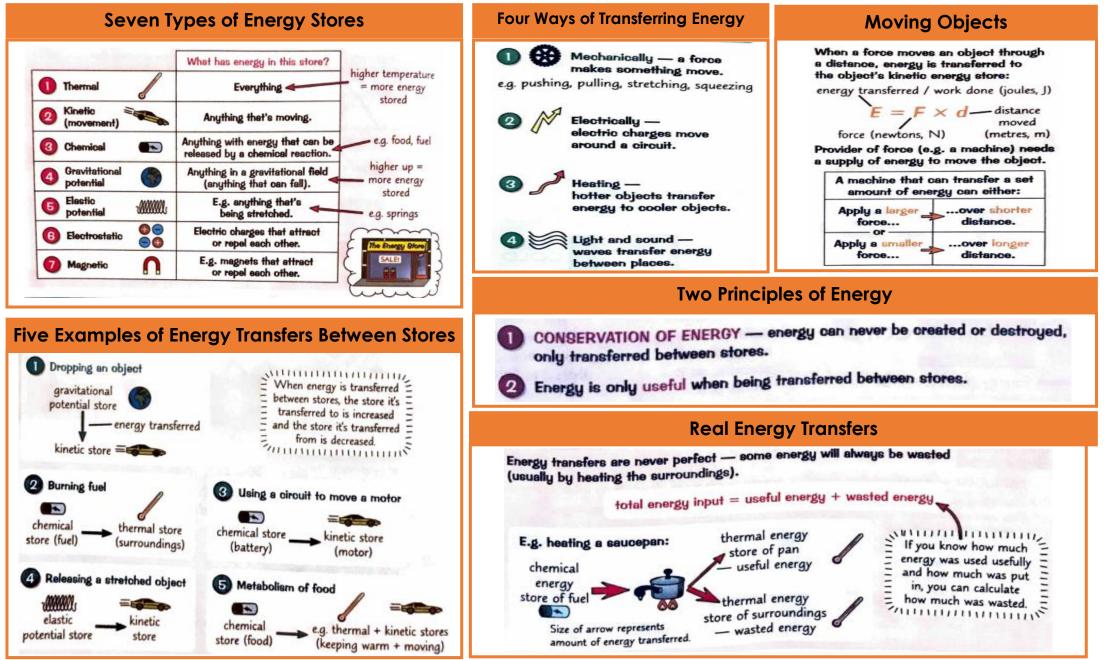


# SCIENCE





# SCIENCE





# **MATHS**

#### Formulae for perimeter, area and surface area and volume

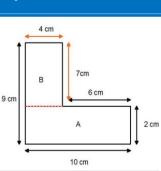
#### Plan, front elevation and side elevation

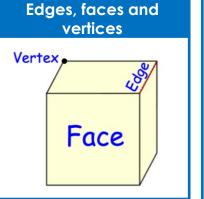
Perimeter	Area	Surface area	
The distance along the edge of a closed shape - add up the lengths of all the sides.	The size of a closed shape measured in how many square units would fit inside it.	The total area of the faces that make up a solid object added together.	
<u>Square</u> 4L <u>Rectangle</u> 2L + 2W	$\begin{array}{ccc} \underline{Square} & \underline{Rectangle} & \underline{Triangle} \\ L^2 & W \times L & \frac{1}{2} \\ base \times height \end{array}$	$\frac{\text{Cube}}{6 \times L^2}$ $\frac{\text{Cuboid}}{2\text{LW} + 2\text{LH} + 2\text{WL}}$	
<u>Circle</u> π x d or 2rπ	$     Circle Parallelogram     \pi r^2 base x heightTrapezium $	<b>Volume</b> The size of a solid object, measured by how many cubic units of space the solid takes up.	Qu Pa
<u>Key:</u> r = radius d = diameter L = length W = width H = Height	$\frac{1}{2}(a+b) \mathbf{x} h$ a and b = the two parallel sides or the average of a and b times the height	Volume of any prism Surface area of cross section x length that the cross section goes on for. Cube L <sup>3</sup> Cuboid	Re
		W x L x H	

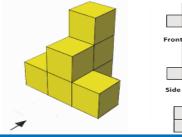
#### Area of Compound Shapes

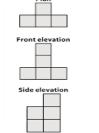
Find the missing lengths

- Break the shape up into simpler shapes for which the areas of each can be found easily.
- 1) Find the area of each simple shape.
- Add the areas of the simple shapes together.









#### Properties of 2D shapes

Quadrilateral	Definition	Picture
Parallelogram	A quadrilateral with two pairs of parallel sides. Opposite Angles are	A A
	equal.	
Rectangle	A quadrilateral with four right angles.	
Rhombus	A quadrilateral with four congruent sides. Opposite Angles are equal.	
Square	A quadrilateral with four right angles and four congruent sides.	
Kite	A convex quadrilateral with two pairs of adjacent congruent sides such that not all sides are congruent.	



# COMPUTING

#### **Online Safety**

The Internet is a great resource that allows us to gain and share valuable information, however, there can be dangers online, that can be avoided by taking precautions which will allow us to stay safe online.

#### Tips to Stay Safe

Use strong passwords- A good password includes 3 random words, upper and lower case, numbers and special characters. It's also a good practice to have different passwords for different accounts and applications and use two-factor authentication. Always keep a different password for your email your password can be reset through your email! Antivirus software-Antivirus software scans the computer for known malware. If it finds malware, it safely removes it. To remain effective, antivirus software must be regularly updated so that it can recognise and remove as many forms of malware as possible.

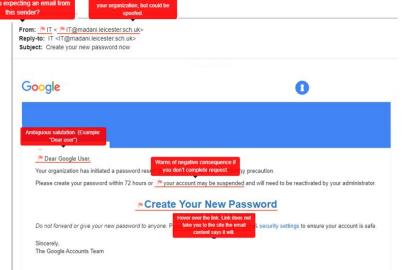
Firewall- A firewall is either a piece of hardware or software that monitors communications coming in from and going out to the internet. Both forms work on a similar basis. The firewall looks for unauthorised communications from malware. Any such communications are blocked by the firewall, preventing the malware from completing its task. Encryption- converts information or data into a code. This prevents unauthorised users from understanding the information.



#### Security Risks

- **Spam:** Unwanted emails that are sent to large number of recipients, usually advertising a product or service. Spam emails can also be used to spread malware or for phishing.
- **Malware:** describes the various programs that try to do something unwanted to your computer. Examples are listed below:
- **Phishing:** Try to gain information through deception over email or text. Sender may pretend to be a reputable company or your bank.
- **Virus:** Harms your computer by deleting or altering files and stopping programs from running.
- **Trojan:** Begins by pretending to be a trusted file, however, gives unauthorised access (using a computer without permission) to your computer when you run it.
- **Spyware:** Collects information from your computer and passes it on to a third party.
- Worm: A virus that replicates itself. Worms may multiply many times and take up all the memory on your computer.
   Things to look out for in an email:

Were you expecting an email from



#### References

Online dangers - Online safety - K\$3 Computer Science Revision - BBC Bitesize AVG-ResellerLogo.jpg (2500×1377) (electrorincon.com) norton-security-box-image-from-nortondotcom.png (406×591) (exactdn.com) McAfee Total Protection 2021 | Beyond Antivirus

#### **General Etiquettes and Considerations**

- Be careful when sharing personal information and only use websites you trust.
- Always be respectful and polite
- Be polite- as you would do in person
- Remember that nothing is private online
- Respect others' opinion
- Use correct grammar and punctuation
- Be accurate and factual
- Respect people privacy

• Treat people the way you would like to be treated Digital footprint is important to consider. Everything you do online is monitored in some way, this could be in school, on social media or when gaming. The things you upload will remain forever, even if you delete them later on, you don't know who has saved your uploads.

#### **Cyber Bullying**

Cyber bullying is when technology is used to bully someone. It can involve:

Sending offensive texts or emails

Posting lies or insults on social networking sites Sharing embarrassing videos or photos online If you are being bullied online, follow these steps:

#### No one deserves to be bullied

Don't retaliatethe bully usually wants a reaction

Save the evidence for proof of what has happened Talk to an adult you trust, like a parent or teacher



block and mute the bully

Report,



# ENGLISH

#### The Canterbury Tales

#### **About The Author**

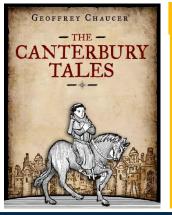
Topic

- Geoffrey Chaucer was born in 1343 and died in 1400.
- He is often called 'The Father of English Literature' and is considered to be the greatest poet of the Middle Ages.
- He was the first poet to be buried in Poet's Corner at Westminster Abbey.
- Chaucer had an interesting and varied life. He was a philosopher, a soldier, an astronomer, a courtier, an MP a spy, a diplomat and a poet.
- Chaucer wrote many works, such as Troilus and Criseyde which is the story of two lovers set during the battle of Troy. However, the Canterbury tales is widely considered to be Chaucer's magnum opus (great work).

	Plot
The Prologue	Chaucer introduces all of the pilgrims. He explains that they are on their way to a holy site at Canterbury Cathedral and that they undertake a storytelling competition on the way.
The Knight's Tale	Two Achaean knights (Palamon and Arcite) fall in love with the same woman (Emily). They fight for her.
The Miller's Tale	A carpenter (John) is tricked into believing it's the end of the world by his wife (Alison) and his lodger (Nicholas).
The Man of Law's Tale	Princess Constance is sent away to be married. However, she is sabotaged by her evil mother-in-law and abandoned at sea.
The Wife of Bath's Tale	A Knight is punished for wrongdoing. He has to find out what women most desire. In trying to find the answer he learns a valuable lesson.
The Friar's Tale	A greedy summoner meets the Devil and is tricked by him. The Summoner (pilgrim) tells a short tale in revenge.
The Squire's Tale	The Squire begins a tale about Princess Canacee who learns to speak with birds and tries to help a falcon. However, he is interrupted by the Franklin and never finishes his tale.
The Pardoner's Tale	Three drunken youths go in search of the Devil. He tricks them into killing each other for greed.
Chaucer's Tale	Chaucer begins a poem about a knight (Sir Topaz) and a Giant. He is interrupted by Harry Bailey who finds it boring.
The Epilogue	In the original text, the epilogue (sometimes called Chaucer's Retraction) is an apology to God. He asks for forgiveness for the vulgar parts of the tales.

#### Style

- The Canterbury Tales was different to most other writing from the Middle Ages because it contained stories about a wide range of people.
- Lots of the Canterbury Tales can be seen as satire (a humorous way to criticise society) as Chaucer often writes about the flaws in medieval religion, class and politics.
- Through the Canterbury Tales, modern readers can learn a lot about medieval life and the concerns of the time.



#### **About The Canterbury Tales**

- The Canterbury Tales were written between 1387-1400
- The Tales were unfinished at the time of Chaucer's death.
- In total there are 24 remaining Tales. The Tales were written before the printing press was invented and therefore were copied out by hand. Mistakes and changes were often made. There is no way of knowing which order Chaucer intended for the Tales to be told in.
- Most of the tales were written in decasyllable verse (similar to iambic pentameter) but some were written in prose.
- The Tales are presented as part of a story-telling competition by a group of pilgrims travelling from London to Canterbury to visit the shrine of St Thomas Becket. The prize for the competition is a free meal at an inn.
- The Tales are famous as one of the most important works in English Literature. It has been suggested that the Tales bought the English language into popular usage as people wrote mostly in French or Latin during the Middle Ages.
- Since The Canterbury Tales is a story about a storytelling competition, many of the questions it asks are about stories: What makes for a good story? Why do we tell stories? Why should we tell stories?



# ENGLISH

Торіс		Methods			Vocabulary
The Canterb	ury Tales	Humour / comic	The Canterbury Tales are	Moral	Beliefs about what is right or wrong
The Callebory fales		devices	famous for their humour.	Patriarchal	A system where men have all the power
			Chaucer adds humour in	Eager	To want something a lot
	Themes		different ways: jokes,	Martyr	To die for a cause
Religion and	Chaucer's Tales highlight how		sarcasm, mistaken	Observant	Pays attention to things
spirituality	important religion and spiritual beliefs		identities, subverting the	Quintessential	A typical representation of something
. ,	were to the people of the Middle		expected, overthrowing		
	Ages. Chaucer seems to criticise	_	oppressive figures.	Fastidious	Neat, accurate
	some religious practises of the time	lrony	Irony is a subtle form of	Dainty	Small, delicate
	and suggest there is more to being		humour where you say	Philosopher	Someone who thinks deeply about life
	spiritual than some believe.		things that you don't mean	Scurrilous	Unfair comment, damages reputations
Social Conventions	Chaucer's Tales often focus on social conventions such as:		(e.g. 'I love how you keep interrupting me').	Inconsolable	Sad, cannot be comforted
Conventions	<ul> <li>Women's Rights</li> </ul>		Situational irony is when an		
	<ul> <li>Marriage</li> </ul>		expected outcome doesn't	Astrology	Study of planets and stars
	<ul> <li>Class</li> </ul>		happen (e.g. A fire station	Ardent	Extremely strong feelings
	Lots of the Tales focus solely on		burns down).	Hasty	Quickly, rushing
	conventions applied to Knights:	Moral / Fable	Many of the Tales have a	Alas	Saying used when talking about sad things
	Chivalry		moral (a lesson to be	Oppress	To treat cruelly, stop from freedom
	<ul> <li>Courtly Love</li> </ul>		learned) which means they	Chivalry	Rules knights had to follow (now means men acting
Competition	The Tales themselves are a		can be categorised as a		politely to women).
	competition so it's no surprise that		fable. However, the true	Humility	Believing you are not better than others
	competition is a key theme in many of the stories. Perhaps Chaucer is		moral of many of the Tales	Vulgar	Bad taste, poor art
	reflecting the competition found in		is debatable.	Virtuous	Behaves morally
	Medieval society in his stories?	Simile	Chaucer uses many classic	Ominous	A worry that something bad will happen
Wealth and	The Middle Ages had strict classes		similes which skilfully	Courteous	Polite and respectful
class	(called the three estates): those who		compare one things for	Malice	Behaving in a way that harms others
	prayed (clergy), those who fought		another in order to	Pious	Very religious or moral
	(nobles) and those who worked		strengthen the imagery created.	Pestilential	Causes disease
	(peasants). Readers see these estates	Symbolism	Like many writers, Chaucer	Loathsome	Something easy to hate
	reflected in Chaucer's work but also	Symbolism	uses various symbols to	Wizened	Old, wrinkled
	feel some of the tensions between		represent different ideas in	Manipulative	Persuades people to do what they want
lies and	them.		the Tales. Common symbols		
Lies and deceit	Many of the pilgrims and the characters that they talk about		are birds and settings.	Grotesque	Unpleasant, exaggeratedly so
Gecen	appear to be something that they are	Dehumanisation	There are many instances	Vanquish	Defeat completely
	not. Chaucer seems to be making a		of humans being presented	Nobel	High class or personal qualities
	connection between deception and		like animals or other non-	Foe	enemy
	tale-telling.		human things.	Collosal	giant
					0



# FRENCH

Learning Objectives	Key Grammar					
<ol> <li>To introduce yourself</li> <li>To describe yourself and your family (Physical appearance and personality)</li> <li>To describe how I get on with my family</li> </ol>	<ul> <li>Present tense of "etre" and "avoir"</li> <li>Possessive adjectives</li> <li>Using imperfect tense in key verbs</li> <li>Making comparison</li> </ul>					
Key (	Questions					
Tu peux te présente Introduce yourself     Décris-toi ? (Physica Describe yourself						
8. Comment étais-tu c	juand tu étais plus jeune ?					
How were you when you we						
Describe your family	vec ta famille ? /Tu aimes-ta famille ?					
Do you get on with your fan	Do you get on with your family /Do you like your family?					
Мо	del Text					
Maintenant j'ai les yeux v Dans ma famille il y a me mon frère Ma mére est trés sympa i J'adore ma grande soeur au foot ensemble.	Smith et j'habite á Paris intelligent mais très <u>timide.</u> <i>verts</i> et le <i>cheveux noirs, courts</i> s parents, mes trois sœurs et mais elle peut-etre stritce. car elle est amusante et on joue					
66 words       1.     Introduce yourself       2.     Describe yourself (physical and )       3.     Introduce you family       4.     *Describe 2 members of your family						

Verb (AVOIR)	Noun/a	djective (eyes)	Noun/adi	ective (hair)		moi
j'ai / have tu as you have il a he has elle a she has on a we have nous avons we have vous avez you have ils ont they have elles ont they have	les yeux blue ey les yeux green e	a bleus es a verts yes a marron eyes a noirs	les cheveu blonde ha les cheveu black hair les cheveu red hair les cheveu short hair les cheveu long hair	ix blonds ir ix bruns ix noirs ix roux ix courts ix longs ix mi-longs	les cheveux raides straight hair les cheveux frisés/bouclés curly hair les cheveux ondulés wavy hair	me ma sœur my sister ma soeur jumelle my twin sister ma demi-sœur my half/step sister ma belle-sœur my sister-in-law ma belle-sœur my sister mum ma belle-mère my step mum ma grand-mère my grandmother ma cousine my cousin ma tante my aunt
Je suis I am	très very assez quite un peu a bit vraiment really	bavard(e) chat gourmand(e) g amusant(e) fur arrogant(e) arr intelligent(e) c méchant(e) na fort(e) strong patient(e) pati grand(e) big petit(e) small génial(e) great	reedy nny rogant lever sty/mean	ennuyeux/ actif/active sportif/spo beau/belle	paresseuse lazy ennuyeuse boring e active ertive sporty	moi me mon frère my brother mon frère Jumeau my twin brother mon demi-frère my half/step brother mon beau-frère my brother-in-law mon père my dad mon beau-père my step dad mon grand-père my grandad mon cousin my cousin mon oncle my uncle
mes parents my parents mes grands-pare my grandparent mes deux frères my two brother mes trois sœurs my three sisters	s s	is for	No.		And	Construction of the second sec



## **PHYSICAL EDUCATION**

#### **Handball Skills**

#### Hands:

- passing right and left hand, short, long, stationary, on the move
- · catching one handed, two handed, static, on the move
- control stability in performance of skills, footwork running pass, running shot,
- evasion feints with and without a ball, shooting standing shot
- defending blocking, interceptions, man to man,

#### Handball-Use of Skills In Game Situations

#### Head:

- contribution to open play: e.g. moving up court, moving into space, creating space, <u>interceptions</u> in attack and defence
- decision making; making correct decision to use techniques as appropriate contribution to strategy and tactics
- demonstrating communication and influence on team performance







#### **Basketball Skills**

#### Hands:

- passing chest and bounce pass
- shooting lay-up, set shot
- dribbling either hand, changes of direction
- rebounding
- footwork pivot

# Basketball – Use of skills in a game situation

#### Head:

- Half court defence
- Out of bounds
- Decision making





#### **PHYSICAL EDUCATION**

	Invasion Games: Football   R	ugby   Basketball   Handball	
1-2	3-4	5-6	7-8-9
I can identify some reasons for needing to complete a warm up. Use some simple tactics I am beginning to understand why we have rules in sport.	I can carry out a warm up by myself, with some support Make suggestions on how to improve my performance I can describe and explain some skills and rules in some	I can take responsibility for leading a small group warm up. I can apply my knowledge of skills and techniques and this improves my own and others practical performance.	I can describe some ways the body adapts and benefits from regular exercise. I can examine problems with technique and can give teaching points to correct these mistakes.
Works cooperatively with others in lessons Can warm up with others in a small group I know how to respect equipment and others.	Communicates and works well together with others Confidently leads a small group warm up and can demonstrate leadership of a small group of peers with some confidence. I can demonstrate communication skills within discussions and activities.	I have developed respectful relationships with my peers. Leads others with little support Provides constructive feedback to others I am hard working, resilient and eagerly accept challenges.	Consistently works independently with others Takes the initiative to lead when officiating, or leading activities I am confident and competent when leading large groups of performers. I often inspire others to participate and progress in sporting activity.
I can demonstrate with <b>some</b> accuracy and success <b>basic</b> skills across a variety of activities <b>in practice</b> . There are <b>times</b> I make the correct decision about whether to pass/shoot/dribble Can exercise for short periods of time	I can demonstrate with <b>some</b> accuracy and success <b>basic</b> skills and tactics across a variety of activities in <b>moderately pressured practice situations.</b> I <b>sometimes</b> make the correct decision about whether to pass/shoot/dribble Can exercise for longer periods of time	<ul> <li>I can demonstrate with some accuracy and success more complex skills and tactics across a variety of sports in competitive situations.</li> <li>I often make the correct decision about whether to pass/shoot/dribble</li> <li>Can exercise for longer periods of time and still use the correct techniques</li> </ul>	I can demonstrate, with <b>consistent</b> accuracy and success, a range of <b>complex</b> skills and tactics in <b>challenging</b> <b>situations</b> . I <b>nearly always</b> make the correct decision, about whether to pass/shoot/dribble, even when under pressure Can exercise for sustained periods of time, whilst performing at a high level



# **MADANI BOYS SCHOOL YEAR 7 HALF TERM 4**

# ARABIC

$\sim$					
То	pic	Objectives			
بيتي My home		<ul> <li>Talk about my house</li> <li>Identify and describe the various rooms of the house including objects/furniture/items found in</li> </ul>			
Voca	Ibulary	<ul><li>these; read, write and hold conversations in relation to these</li><li>Use dual forms of noun</li></ul>			
Kitchen	مطبخ	<ul> <li>Understand and use more interrogatives in rea and an a gluing</li> </ul>	ding		
Bathroom	حمام غرفة الجلوس	<ul> <li>and speaking</li> <li>Understand the basic rules of the adverbial phi</li> </ul>	rase		
Living room	عرفة الجنوس	and be able to use it in your writing			
Bedroom Dining room	غرفة النوم غرفة الطعام	Furniture and items found in the hou	se		
Garden	حديقة	a key مفتاح a door	بابٌ		
Revision	Attached				
Pro	nouns	a sofa آريكة a house	ره و بيت		
your (ma	حِي sc.) ک	a fridge تَكَلَّجَةً a cupboard	خزانَةٌ		
your (fen his, its	n.) <u>5</u> «	a bed a washing a washing machine	غَسَّالَة		
her, its	لم	a pillow enlice enlice	قُفْلٌ		
	Detached nouns	a clock, مراعةً معناد	مِذْياعُ		
He, it (mas She, it (fer I (am)	1	a window مَتُبَّاكٌ or نَافِذَةٌ a candle	شمعة		
You (masc.) You (fem.)	أَنْتَ (are) (	an iron مَكُواةً a telephone	هاتِفُ		



**More Vocabulary** 

satā'ir) curtains) سَتائر sajjād) carpets) سَجَّاد mir′āt) mirror) مِرآة misead) lift/elevator) مِصعَد (ḥā'iṭ) wall (interior) خَسَّالة hawḍ) sink) حَوض

	fākhir) luxurious) فاخِر
	(basīț) simple/basic
	(murīḥ) comfortable مُريح
	munāsib) suitable) مُناسِب
	khāṣṣ) private) خاصّ
	(ḥadīth) modern حَديث
11	taqlīdīy) traditional) تَقليديّ
	(hādi') quiet) ھادئ
	muzdaḥim) crowded) مُزدَحِم
	wāsie) spacious) واسِع

durj) drawer) دُرج ushb) grass/plants) عُشب ward) roses) وَرد kanaba/arīka) sofa) كَنَبَة/أريكة ghallāya) kettle) غَلاّية



# ARABIC

#### **Asking Questions**

and 
$$\tilde{f}$$
, which are written at the beginning of a sentence, are two ways of asking questions such  
as 'Is this...?' in Arabic. e.g. Is this a pen?  $\tilde{f}$  فَذَا قَلَمٌ or  $\tilde{f}$  or  $\tilde{f}$  فَذَا قَلَمٌ Note how  $\tilde{f}$  becomes part of the following word, but هَلْ هَذَا قَلَمٌ is written separately.  
In order to answer this type of question, we need to learn the words for 'yes' and 'no' in Arabic:  
Yes =  $\tilde{v}$ .  
Note also the shape of the question mark in Arabic:  $\hat{f}$ 

#### Number: the dual form

There are three categories of number in Arabic. So far, all the nouns we have learned have been in their **singular** form. The **plural** form starts from three in Arabic. For now, we are going to learn the **dual** form, which is used when talking about two of something.

The basic dual form is made by adding the endings يَنْ or انْ to a singular noun. You will learn later in the series when to use each of these two dual endings. For example, كَتُابٌ 'a book', can be made into 'two books' by adding انْ or الْالْ الله في or الْمُرْتَيْنِ كُرُتَانَ كُرُقٌ i.e. كَتُابُ مَانَ الله الله same rules: كَتُرَتَيْنِ كُرُتَانَ كُرُةٌ Note how the final a in feminine words changes into an open taa or as in before the dual endings are added.

#### My House- Short reading extract

فِي مَنزلي يوجدُ غرَفٌ وَأَثَاث. فِي المطبخ يوجَدُ فُرْنٌ وَفِي غُرْفة الجُلُوس يوجد تِلْفَازٌ وَ أَرِيكَة. الحمَّامُ فِي الطَّابَق الأول. فِي غرفَة أُمِّي يُوجَدُ سَريرٌ كَبيرٌ وَفيه يوجَد مِرْآة جميلٌ

#### Conversation | Sentence building

#### مَاذَا يُوجَدُ في مَنْزِلك؟

What is there in your house?

فِي مَنْزِلي يُوجَدُ...

In my house, there is...

مَاذَا يُوجَدُ في غُرْفَتكِ؟

What is there in your bedroom?

فِي غُرْفَتِي يُوجَدُ...

بَلْ لَا يُوجَدُ...

In my bedroom there is...

But there is no...

# فِي غُرْفَتِي : مَكْتَبٌ خَشَبِيٌّ مُرَبَّعٌ، وَحَاسُوبٌ جَدِيدٌ، وَمِرْآةٌ مُسْتَطِيلَةٌ مُعَلَّقَةٌ عَلَى الْجِدَارِ، وَسَرِيرٌ مُنْخَفِضٌ. عَلَى سَرِيرِي بَطَّانِيَةٌ حَمْرَاءُ، وَمِفْرَشٌ أَخْضَرُ، وَوِسَادَةٌ نَاعِمَةٌ زَرْقَاءُ . عَلَى مَكْتَبِي مِصْبَاحٌ قُرُنْفُلِيٌّ، وتَحْتَ سَرِيرِي دُمْيَةٌ.

My Room

#### Adjectives

In Arabic, adjectives (describing words) come after the nouns they describe. When the noun is masculine, the adjective will also be masculine. Likewise, when the noun is feminine, the adjective will also be feminine. Adjectives are written after the nouns they describe.

بَيْتٌ كَبِيرٌ		نیت صغیر (	
ساعَةٌ كَبِيرَةٌ			
		ساعَةٌ صَغِيرَةٌ قَلَمٌ طَوِيلٌ مُ	
م قَصِيرٌ	1	8	
لرَةٌ طَوِيلَةٌ	مست		

مسْطَرَةٌ قَصيرَةٌ

	Feminine	Masculine
small	صَغْيرَةٌ	صَغِيرٌ
large, big	كَبِيرَةٌ	كَبِيرٌ
short	قَصِيرَةٌ	قَصِيرٌ
tall, long	طَوِيلَةٌ	طَوِيلٌ
light	خَفِيفَةٌ	خَفِيفٌ
heavy	ثَقِيلَةٌ	ثَقِيلٌ
new	جَدِيدَةٌ	جَدِيدٌ
old	قَدِيمَةٌ	قَدِيمٌ
open	مَفْتُوحَةٌ	مَفْتُوحٌ
closed	مُغْلَقَةٌ	مُغْلَقٌ

#### **Adjectives**

مرحبا ، إسمي ماري وأنا أسكن في برادفورد. ف أنا أسكن في شقة كبيرة وجميلة في المدينة. في شقتي هناك خمس غرف. هناك غرفة جلوس كبيرة ومطبخ حديث وحمام لطيف وغرفة طعام وغرفتي.غرفتي زرقاء



# GEOGRAPHY

#### Settlement

"A settlement is a place where people live." The settlement hierarchy is a way of ordering settlements from their largest to smallest.

- CBD (Central Business District) located at the centre of the city where rail and roads meet. Contains many commercial activities, shops, entertainment and business activities.
- Inner City mixed land-use containing small industries as well as high-density residential land-use – often characterised by terraced housing.
- Inner Suburbs residential areas which developed during the 1920s/30s often semi-detached houses with bay windows and front/back gardens.
- Outer Suburbs residential areas which grew up later as greater public transport and private car ownership allowed people to commute These houses are often semi-detached/detached with larger gardens.
- Rural-urban fringe this is right on the edge of towns and cities and is mainly low density, private housing (often larger detached properties); new industrial estates/business parks and facilities requiring larger open spaces such as golf courses.
- Shanty town/slum- A heavily populated urban area. Conditions are usual poor; housing is substandard, and the facilities are limited. They are built in unwanted areas of the city.
- Greenfield site- An area that has never been built on. The government heavily protects these areas.
- Brownfield site- An area of land that has already been built on and has become derelict or unused e.g.
- Dispersed settlement- is the scattered pattern of households in a particular area
- Linear settlement is a (normally small to medium-sized) settlement or group of buildings that is formed in a long line.
- Nucleated settlement is a type of settlement pattern that features a close grouping of buildings.
- Function- a places main activities e.g. a port.
- Settlement hierarchy- is a way of arranging settlements into a hierarchy based upon their population

Key Words							
Term	Term Description						
Megacity	egacity Where conurbations have joined to become one large urban area.						
Conurbation	ConurbationA group of large cities and their suburbs that have strong links connecting them to each other.						
Metropolis	Metropolis A city and surrounding towns that are in close proximity and have started to merge into each other.						
Large city	Large city A city with a large population and many services.						
City	ity A city would have a wide range of services but not as many as a large city.						
Large town	<b>arge town</b> Large towns now see a much more varied range of shops available when compared to villages.						
Town	Town Towns see an increase in services, for example, they would have senior schools and police stations.						
Village	VillageVillages start to have some basic services like a petrol station or a village shop.						
Hamlet	Hamlet Hamlets have very tiny populations and few services, if any.						
lsolated dwelling	Isolated dwelling often in rural areas, these tend to be farmhouses or holiday homes.	a few buildings at most					







# HISTORY

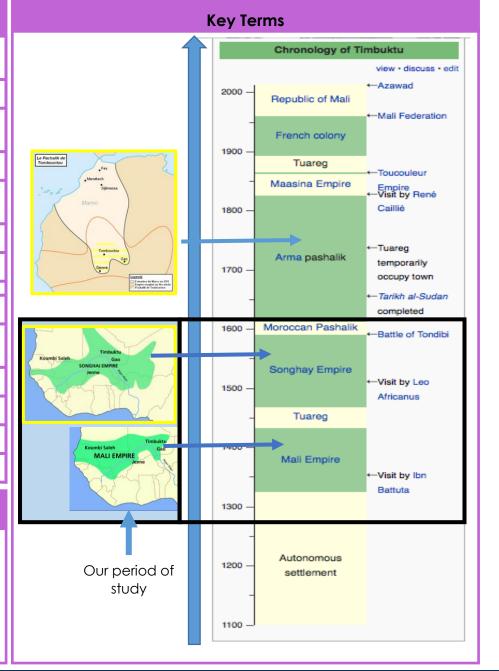
<b>Topic</b> Timbuktu 1100 – 1600: How Could There be So Much Knowledge at the End of the Earth?		Key Terms		
		Manuscript	A document which is written by hand. They could contain writing, mathematical calculations, music or illustrations	
		Conserve/ Conservation	Protect something from harm or destruction	
Key Figures		Timbuktu	A city in Mali located 20 km north of the Niger River. It first became a permanent settlement in the 1100s and is a city of around 50 000 people today	
	lbn	A Muslim Berber-Moroccan scholar and explorer who	Trade route	A network of pathways people travel to buy and sell goods
Battuta		travelled more widely than any other explorer in history, totaling around 117,000 km, He visited	Nomad	A member of a community that does not live in one place all the time, but instead moves from place to place
		Timbuktu in his travels	Oral tradition	Using stories and song to pass on history and ideas through spoken word and not writing
K	anka	Ruler of the Mali Empire who spent time in Timbuktu	Hygiene	Maintaining health and preventing disease through cleanliness
Musa		during his pilgrimage to Mecca in 1324 who contributed to the wealth and scholarship of the city A Muslim scholar who was educated in Timbuktu and established one of the largest libraries in Timbuktu in his home. He was taken	Astronomy	The science of studying the stars and planets
			Astrolabe	An instrument used to measure the distance between stars and to calculate longitude and latitude
			Civilisation	A society with urban development (towns and cities), roles in society, a form of government, and systems of communication
Ahmed Baba	Epistocracy		System of government in which decisions are made by people considered wise - philosophers	
	Autocracy		System of government in which all decisions are made by one ruler – for example, a king or queen	
		prisoner and forced to leave Timbuktu and there is now a library there in his honour	Tolerance	Allowing ideas one does not agree with – accepting that people will have different beliefs
			Empire	A large area made up of several different groups or countries ruled over by a single strong country or ruler

#### Key themes and questions

**Big Question:** How was there so much learning in a place known as the "End of the Earth"? **Key Questions /Themes** 

- How did civilisation begin in the region of Timbuktu?
- What is the connection between learning and the religion of Islam in the manuscripts of Timbuktu?
- How was Timbuktu ruled in the Middle Ages?
- How was Timbuktu connected to the Mali Empire?
- Why did Timbuktu go into decline and lose its power?







# HEART FOR LIFE

#### National Careers Week (NCW) 7<sup>st</sup> March – 12<sup>th</sup> March 2022

- Empowering positive change through careers education
- Students will make connections with resources from NCW
- Links between world book day and National Careers Week.

#### Content

- Identify own strengths and areas for development set goals / evaluate progress/ development from beginning of the year
- Link above to positive experience and success at school
- Different types of jobs (foundation for future labour market information)
- Volunteer verses paid work (purpose, responsibilities, expectations, rewards)
   – examples and links to volunteer passport

#### **Skills Which Boost Employability**



## 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.



#### **Overview**

- Students will be aware of their own skills and link to goals and different types of jobs
- Students can express their strengths and interests and how these are linked to skills building
- Students can identify different types of employment including paid work, volunteer work and work at home

#### Key Concepts

Careers focus, exploring different careers. Using Unifrog to explore career links

#### 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	Calligraphy		
Kerning	Space between individual letters	Calligraphy	AT IN SAFE O	
Cursive	Any style of penmanship in which some characters are joined together in a flowing manner	Turalina		
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		ISMALL	
Graffiti & Calligraphy		Kerning	Jemain Ikimalin	
Graffiti	A A		EQUAL UN EQUAL SPALE SPALE 7	
Calliaraphy			70 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 bendina

#### 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. Transporting 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:

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

#### **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	Judaism						
Judaism: • Beliefs • Worship • Practice	Beliefs Holy Book	Judaism teaches that there is one all-powerful God who a lives following his rules, called commandments. These rules lived in the Middle East from about 4,000 years ago. All Jews believe that they have a special relationship with promise to obey God's laws to say thank you to him for lo The Jewish scriptures are also important in Christianity whe they are called the Tanakh, which is a Hebrew acronym f	es were given to individual people called Prophets who n God. This relationship is called the covenant. Jews oking after them. ere they are referred to as the Old Testament. In Judaism,				
	DOOK	<ul> <li>The Torah which is the first five books, and regarded as the holiest because they contain God's law.</li> <li>The Nevi'im which are the books of the prophets.</li> <li>Ketuvim which are other important writings.</li> </ul>					
	Worship	Jews worship God in a synagogue. The services in the synagogue are led by a religious leader called a rabbi, which means 'teacher' in Hebrew. Shabbat (the Sabbath) is the most important time of the week for Jews. It begins on Friday evenings and ends at sunset on Saturdays. During Shabbat, Jews remember that God created the world and on the seventh day he rested. Jews believe God's day of rest was a Saturday.					
Who is a Jew?	Food	The Torah has rules about what Jews can and can't eat, called kashrut. Foods that Jews are allowed to eat are called kosher. Jews can eat any animal with split hooves and more than one stomach. These animals must also be slaughtered according to religious laws. This means that Jews can eat beef, but not meat from pigs. Meat and milk may not be mixed. Fish without scales or fins, and shellfish are also forbidden.					
Jews believe that there is a single God who not only created the universe, but with whom every Jew can have an individual and	Clothing						
personal relationship. They believe that God continues to work in the world, affecting		Key Questions?	The start of David				
everything that people do. The Jewish relationship with God is a covenant relationship. In exchange for the many good deeds that God has done and continues to do for the Jewish People The Jews keep God's laws The Jews seek to bring holiness into every aspect of their lives.	<ul> <li>persor</li> <li>What i</li> <li>What i</li> <li>Which jews?</li> <li>What i</li> </ul>	re the 10 commandments important to a jewish n? s Kosher? s the Holy Book of the Jews? day is the Sabbath? And why is it important to the s Hannukah? And Passover? the Western Wall important to Jews?	The Star of David is the symbol of Judaism. David was a shepherd who became a king of ancient Israel. The Books of Samuel in the Jewish Bible tell how David killed the giant Goliath, with this symbol displayed on his shield. The Star of David is used in synagogues, Jewish tombstones and on the flag of the modern state of Israel.				

# MADANI SCHOOLS FEDERATION

