



Knowledge Organiser – Art 'Return of the Mummy' Year 5

Observational drawing

Key Knowledge and Skills

- * To know how to annotate sketchbooks, using sentences starters
- * Know the link between



Howard Carter and his role of

artist on expedition and their own observational drawing

* To use a range of sketching and shading

techniques and grades of pencils to draw from observation.

- * To know how to use compositional techniques to create proportion and shape.
- * To know how to create tone in drawing work.

To paint with water colours

* To the know the different water colour techniques.



To print with rollers and ink

Know how to draw effectively on polystyrene.



- Know how to squeeze out the right amount of ink
- Know how to use right amount of ink in print.



Key vocabulary

Observational drawing	Sketching from real life	
composition	The shapes and proportion of things within a drawing.	
expedition	A journey of exploration	
Grades of pencil	State	
proportion	Width and length used to make it look realistic	
tone	How light or dark it is	

Water colour techniques:

Wet on wet Wet on dry Building up colour







Creating gradients Getting precise using different brushes





Ancient Egyptian art

Cultural Heritage











Knowledge Organiser – Year 5 Computing: We are Game Developers (5.1)



Key Knowledge Key vocabulary		Key vocabulary	Cultural Heritage	
Unit 5.1: We are game developers Developing an interactive game	Algorithm	A sequence of precise instructions or steps (sometimes a set of rules) to achieve an objective	Alan Turing Father of modern-day computing.	
During this sequence of learning, , pupils plan their	Background	Scenery and other unchanging elements in a game	P3	
own simple computer game. They design characters and backgrounds, and create a working prototype, which they develop further based on feedback they receive	Bug	An error or mistake in a program or algorithm, causing the computer or robot to behave in a manner that was not originally intended	Alan Turing	
	Code	Instructions (or sometimes rules) that can be understood by a computer	Alan Turing was a	
	Debug	Correct mistakes in a computer program or algorithm	British mathematician. He made ma jor contributions to	
Marks, Linker and Was Elizable Company Was Elizable	lterative development	A trial and improvement approach in which each successive version builds on the previous	the fields of mathematics, computer science,	
Session 1: Planning the algorithm for the game Session 2: Creating multiple costumes for a sprite	weveropment	one by the fixing of mistakes or the adding of features.	and artificial intelligence. He worked for the British	
	Logical reasoning	A systematic approach to solving problems or deducing information using a set of universally applicable and totally reliable rules.	government during World War II, when he succeeded in breaking the secret code	
	Program	An automated solution to a problem.	Germany used to communicate.	
Carcines Info Facebourn monotofune for the acres debunction and \$100 to \$100 t	Scratch	Simple, block-based programming language in which programs for characters are built by snapping together code blocks.	In 2019 the Bank of England announced that Turing would be featured	
Session 6. Witting instructions for the game and publishing it	Sprite	A graphical character in a program that can be given its own sequence of instructions.	on the new 50-pound banknote. The note was expected to enter circulation in 2021.	

Article 27 – I have the right to proper clothing



Knowledge Organiser – D and T 'Hot water bottle covers' Year 5



Key Knowledge and Skills	Key	Key vocabulary	
What you need to know: What you are designing and making: Hot water bottle cover Purpose: Who it is designed for and why the design has been chosen What a design brief is: What your cover must include:	Design brief	A design brief is a set of instructions for a design project. The design brief outlines what the purpose of the project is and instructions for what is required.	Islamic pattern motif
It must be comfortableIt must be safe	Appealing	Pleasing to look at	
It must be appealing	annotate	Making notes	Eastern European motif
Designing * How to evaluate other products	template	A stiff outline to draw around	50.5
* How to choose appropriate fabrics	" motif	A decorative image	900
*How to design and annotate. Making How to do back	fray	To wear away at the edges	3 32
stitch.	insulate	To keep warm	
How to create a pattern template and draw around it.	To pin	To hold together with pins	Evaluating -How does your textile look? Would your user like it? Why or why not? How could you improve the way it looks?
rint off your outline. Pin it to your abric (draw around it) and/ or cut round it carefully.	thread	Different types – cotton, embroidery thread	-Are your attached fabrics secure? How did you achieve this? Which type of stitch did you use? How could fabrics be joined more securely?
Iow to use fabric scissors safely. If you need to move around with scissors, hold around the	Double overhand stopper knot	To tie a not twice over the top	-Which materials did you choose? What fasteners did you use? Why? Does your
closed blades, facing down.	Double stitch	A stich done twice over the top to end a piece of sewing	product perform its purpose well? Why or why nat? What do you like about your product? How could you improve your product?



Key Facts: Egypt

Continent

Capital City

Population

Money

Religion

Flag

Official language

Arabic

Approx. 102 million

Country

Article 30 – I have the right to practice my own culture, religion and use my own language

Knowledge Organiser - Geography: Return of the Mummy Y5



Key Knowledge

Egyptian Pound. 1 Egyptian Pound is made up of 100 piastres 10% Copts (one of the oldest branches of the Christian religion)

Key vocabulary

dam	A barrier constructed to hold back water and raise its level forming a reservoir used to generate electricity or as water supply.
irrigation	A system of canals or channels Egyptians dug to supply water to grow crops over a larger area than the water would reach naturally.
reservoir	A large natural or artificial lake used as a source of water supply
silt	Fine particles of soil, clay or sand carried and left by water.
Hapi	Hapi was the god of the annual flooding of the Nile

Cultural Heritage

Aswan High Dam

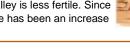


Aswan High Dam is the world's largest embankment dam built across the Nile. The water that is held back by the dam creates Lake Nasser, one of the world's

largest reservoirs. The creation of the lake displaced 90,000 Egyptians and Sudanese nomads. The ancient temple complex of Abu Simbel also had to be relocated. Some of the benefits of the dam is that flooding can be controlled. It also generates enormous amounts

of electrical power. One of the downsides of the dam is that some of the Nile valley is less fertile. Since the dam there has been an increase in Malaria.





The name Nile comes from the Greek word "Neilos" which means valley. Ancient Egyptians called the river Ar or Aur (black) because of the colour of the sediment left after the river's annual flood.



The river was used for water. fishing and trade. Mud from the river was used for bricks and papyrus plants were used to make paper. There was no such thing as money in ancient Egypt, so people

The river Nile is the longest river in Africa. The river Nile is about 6,670 km (4.160 miles) in length. Although generally associated with Egypt, only 22% of

Sudan. and Burundi. It flows out into the Mediterranean Sea.

the Nile's course flows through Egypt. It also flows through Uganda, Ethiopia,

Arab Republic of Egypt (known as Egypt)

would trade by swapping things like pottery, food, iewellery etc. Boats were used to travel up and down the Nile to trade throughout the country.



The Gods



It was very important to pay thanks to a God for their gifts so people would pay tribute to the Gods. The God Hapi was associated with the flooding of the Nile. A lot of farmers would keep amulets of Hapi or a statue as a sign of respect. They would pay tribute to Hapi so that the God would grant them a good crop.

The Nile

Flooding, Irrigation and Crops



90% of Egypt is covered by desert. In ancient times most of the population occupied the area on the banks of the river. This is still true in Egypt today. The river Nile was essential to life in Ancient Egypt. Every year, it flooded leaving behind a black silt that enriched the soil for growing crops. The river was also used to irrigate fields in other areas. The farmers would lift the water from the canals using a tool called a shaduf.



The Egyptians grew wheat and barley as well as fruits and vegetables like

melons, figs, peas, garlic, lettuce and cucumbers. Flax was grown for making linen to make clothes. The Nile was also important for fishing. This was done in boats with nets. Even today The Nile is still an important feature and commodity of Egypt.





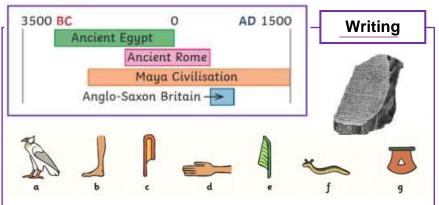


Article 29 – I have a right to an education which develops my personality, respect for others' right and the environment.

Knowledge Organiser - History: Return of the Mummy Y5



Key Knowledge What is an Empire? An Empire is a type of political unit. Throughout history countries have wanted to control lands beyond their borders. From 1882 ~ 1956 Egypt was part of the British Empire. What is Howard Carter Howard Carter was a famous Egyptologist and archaeologist. He is most famous for discovering the remembered for? tomb of Tutankhamun. A cartouche is an oval shape in which the names of What is a cartouche? Kings and Queens were often written in hieroglyphics to show that they were special Could Ancient About 1 out of every 100 Ancient Egyptians could read and write. Scribes were the few Egyptians who Egyptians read and knew how to read and write hieroglyphics. write?



Hieroglyphs were written by scribes, who had to go to a special school to learn how to write them. Almost all scribes were men, although there is some evidence of female doctors being able to read hieroglyphs in medical texts.

Hieroglyphs were used for religious texts and inscriptions on statues and tombs. They were also used for counting crops and animals so that the right taxes could be taken.

The Rosetta Stone, discovered in 1799, was written in hieroglyphs and two other languages, including Ancient Greek, which linguists (language experts) could still read. Linguists translated the hieroglyphs by comparing the languages. It took 20 years to translate all the text into modern language.

Key vocabulary

AD	AD comes from the Latin Anno Domini meaning: "In the year of Our Lord". AD is used to refer to the years after the birth of Jesus. The study of human history and prehistory through the excavation of sites and the analysis of artefacts and other physical remains.		
archaeology			
ВС	BC comes from the term Before Christ, BC is used to refer to all the years before the start of the time AD.		
Egyptology	The study of the language, history, and culture of ancient Egypt		
Pharaoh	A ruler of Ancient Egypt		
hieroglyphics	A system of writing that used pictures and symbols instead of letters		

Cultural Heritage



The Kushite Pharaohs.

Pyramids of Nuri (Northern Sudan). There are 20 pyramids built in an arc between 650 BC and 300 BC. The pyramids mark the burials of Kushite royals "the Black Pharaohs". From 760 BC to 650 BC Kushite pharaohs ruled all of Egypt from Nubia to the Mediterranean Sea. The longest and oldest pyramid belong to the Pharaoh Taharaq.

Artefacts



Since Egypt's Independence, artefacts discovered in Egypt are the property of the Egyptian government. It is illegal to remove artefacts without permission. In 2010 Egypt issued a demand on Museums of the world to return all Egyptian artefacts including the Rosetta Stone back to Egypt.

Grand Egyptian Museum

The Grand Egyptian Museum (GEM) when finished will be considered the largest archaeological museum in the world. It is expected to house 100,000 artefacts, many of



which will be displayed for the first time. The new museum will contain the 5,400 artefacts retrieved from Tutankhamun's tomb. It will also have a panoramic view of the Great Pyramids of Giza.

Key Knowledge

Pyramids



would live forever, so they built these tombs to keep the bodies safe. The most famous pyramid is the Great Pyramid at Giza, built for Pharaoh Khufu. Inside the pyramids there are a lot of hieroglyphics which tell the story of the Pharaoh that was buried there. There are over 130 pyramids that have been found in Egypt, the earliest being the Pyramid of Djoser which was built around 2650 BC. The last pyramids, were finished around 1800 BC.

Embalming and Mummification



Wash the body with palm oil and water from the river



Next, pull out the brains through the nostrils using a hook. Fill the skull with sawdust or resin.



Cut out the internal body organs (except the heart). Put the liver, lungs, intestines and stomach in canopic jars to dry.



Cover the body with natron salt. Leave it to dry for 40 days.



After the 40 days, remove the natron and pack the body with straw, dried grass and linen.



Apply make up, fake eyes and hair to make it look nice.



Wrap the body in linen fabric, adding amulets and a Book of the Dead.



Finally, place the mummy in a sarcophagus and move to the pyramid.

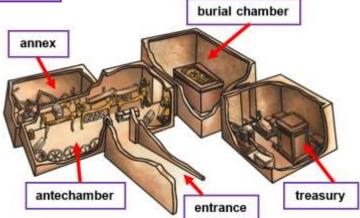
Tutankhamun



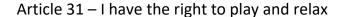
The tomb of Tutankhamun was found in 1922 by a group of researchers led by Howard Carter. The tomb and Tutankhamun became famous because the tomb contained the intact body of the pharaoh and over 3,000 treasures. The treasures were put in the tomb so Tutankhamun could take them with him into the afterlife. Many of the items were made

from or covered in gold. From the tomb, Egyptologists have learnt many things about Tutankhamun. He was buried with 130 walking sticks. From this, other artefacts and an x-ray of the mummy they found out that Tutankhamun had a clubbed foot.





The body of the Pharaoh was placed in a sarcophagus (a large stone coffin) which was then surrounded by other chambers, filled with items that they thought they would need in the afterlife, mostly decorative items covered in gold





P.E Knowledge Organiser – Invasion Games – Year 5



Key Knowledge Key vocabulary **Cultural Heritage**

Pivoting

Pivot (turning) with the ball once you have caught it.

- Keep one foot fixed to the ground.
- Push and turn with the other foot.
- Release the ball off in a different direction.



Overhead pass



- . Bend your arms and keep your elbows close to your body.
- Lift the ball over your head.
- Step forward and release the ball.
- . The flight of the ball should be high.

In netball, you can't move with the ball, you must pivot, pass and move to move up the court.

Think about what passes are the most effective, don't always try an overhead pass. Sometimes, a chest pass or bounce pass allows you to get past an opponent.

Footwork - Not moving with the ball (dragging foot or hopping not allowed). When catching the ball the foot that lands first must stay in contact with the floor until ball is passed.

Offside - a player with or without the ball cannot move into an area of the court that their position is not allowed.

Obstruction - when a defender is closer than 1m to the player with the ball.

Positions

There are 7 positions on a netball team -Goal Shooter (GS) - to score goals and to work in and around the circle with the GA Goal Attack (GA) - To feed and work with GS and to score goals

Wing Attack (WA) - To feed the GA and GS giving them shooting opportunities

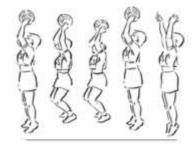
Centre (C) - To take the centre pass and to link defence and attack.

Wing Defence (WD) - To look for interceptions and prevent opposition WA feeding the circle. Goal Defence (GD) - To win the ball and stopping the opposition GA from shooting. Goal Keeper (GK) - To work with the GD preventing the opposition GA/GS from scoring.

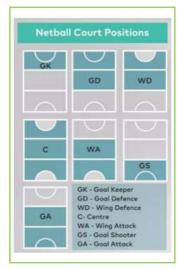


Ama Agbeze MBE (born 12 November 1982 in **Birmingham**) is an England netball international. She was captain when England won the gold medal at the 2018 Commonwealth Games. In 2019 she received an MBE for her services to netball. She was also a member of the England team that won the bronze medal at the 2006 Commonwealth Games. As of 2020. Agbeze has played for at least sixteen different club teams in England, Australia and New Zealand.

Shooting



- 1. Feet shoulder-width apart facing the
- 2. Ball held high directly ABOVE head.
- Knees are slightly bent to push off with.
- Eyes looking at a point above the ring.
- 5. Push the ball upwards using wrist and fingers.









Olympic Order twice (1984,

2004).

Knowledge Organiser – Year 5 HW It's My Body – 1.1

Key Vocabulary Cultural Heritage Key Knowledge Using antiperspirant deodorant to help prevent body odour (BO) 1. Exercise Right, Sleep Tight **Physical Health** Cutting down on junk food and getting plenty of exercise can help us Being physically active helps our bodies reduce unnecessary weight gain. and minds in many ways. Exercise... Washing our clothes and ourselves removes bacteria and germs. strengthens your heart Cutting down on junk food and getting plenty of exercise can help us strengthens your bones and muscles reduce unnecessary weight gain. reduces the risk of getting ill Using sun-cream and wearing a sun hat when outdoors boosts your energy levels on a sunny day improves your mood Getting vaccinated against certain diseases improves social 3. Harmful Substances connections Legal drugs include medicines. These are safe to use and can help Sir Mohamed Muktar Jama promotes better sleep our bodies when they are used as prescribed by a doctor, nurse or Mental health benefits of exercise: Farah (**Mo Farah**), is the most chemist – it is never OK to take medicine prescribed for someone popular and successful runner Children and teens age six and older need else. in the history of the Olympic at least an hour a day of physical activity. Legal drugs also include alcohol and tobacco. These are Most of the hour should be either Games restricted drugs - that means there is a restriction on moderate or vigorous aerobic activity. who can use them (18 to buy and consume alcohol Vigorous activity should be included at and tobacco, including e-cigarettes) least three days a week – that means o Drug use can become a problem for some people and raising your heart rate. that's when they need to seek support. Sleep deprivation is another way of saying no Once you know about different substances and how they affect sleep or not enough sleep. your body, you can make informed choices about whether or not Some of the effects of sleep deprivation are: you want to put those substances into your body. 4. How we Think and Feel about our Bodies Physical Effects Mental Effects We could suffer from Many images in the media are often altered to We will find it hard to concentrate. extreme tiredness. 'improve' them or make them appear more We are likely to make more mistakes. 'perfect'. Things that really make someone beautiful may be their caring nature, Our immune system will not be as their friendly smile, their willingness to help and their generous spirit. Nadia Comăneci is the only 5. Healthy Choices We could put an weight athlete to be awarded the A balanced lifestyle means living as healthily as possible but still We could feel dizzy and sick.

2. Taking Care of our Bodies

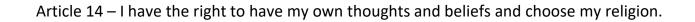
We all have a responsibility to look after our own bodies. There are some healthy habits

having fun!

We can feel pressure from our friends, our family and the media. These pressures can influence the choices we make. They can be positive and negative.

Article 24 – I have the right good quality health care, clean water and good food

that we can all develop and build into our	Remember that it is always OK to say 'No!' or to walk away from a	Word:	Meaning:
routines.	situation that makes you feel uncomfortable.	habit	something you do
			regularly and that is
			hard to stop
		illegal drugs	a substance that
			affects the way the
			body functions and
			not allowed by law
		influence	the power or
	invisible action of a		
	thing or person that		
			causes some kind
			of effect on
		1	another
		moderate	exercise that gets
		activity	your heart beating
		perfect	faster free from mistakes
		periect	or faults; exact
		photoshop	image-editing
			software
		positive	being proud of the
		body	way you look and
		image	feel and being
			confident with your body
		pressure	a strong influence
		pressure	or burden on the
			mind or emotions
		sleep	not getting enough
		deprivation	sleep
		vigorous	involving using a lot
		activity	of energy







Knowledge Organiser – R.E Year 5 – 1.1

Key Knowledge		Key Vocabulary		Cultural Heritage
Unit 1 - Caring for others, animals and the environment Religious Traditions: Islam and Christianity 1. How does God want us to care for others?	Unit 2 - Sharing and Being Generous Religious Traditions: Islam and Sikhism	Word:	Meaning:	Which cultural traditions have you seen or taken
A wedding is a happy occasion in all religious traditions. Why do you think this is? A wedding is a special ceremony that usually lasts for a	1. Do you like to give and receive presents? Is the value of a present only measured by its cost? What is the point of giving presents? Can presents be more than physical things?	biblical	relating to or contained in the Bible	part in during a wedding?
day (or several) but a marriage lasts indefinitely. In all religious traditions the intention is that by forming a partnership, exchanging vows, and/or entering into a marriage contract, a couple will commit to caring for each other and any children that they may	We may receive something that might look of no value to anyone else but it is really important to us. For example, a teacher might receive a pen pot made by a child,	ceremony	a formal act or series of acts done in a particular way to honor a special occasion	
have. There are many acts of caring within families. These include small acts of care such as wiping noses, nursing a sick child and significant acts such as care for a new born baby or elderly house-bound	a toy from a parent or a painted stone. Can you think of a gift you have received that might look of no value to others but is special to you? 2. Are you rich enough to share and be generous? (Islam) Charitable Acts All acts of kindness, sharing and generosity in Islam are	commitment	generous in donations or kind actions for needy person the state of being devoted or involved	
relative. 2. How does marriage create an environment for caring? (Islam)	 called charitable acts. However, if someone does have money as savings and these savings have not been used for one whole year, 	declaration generosity	a formal statement or announcement the condition of	
There are two aspects of marriage between believers of any faith tradition: a) the civil contract b) the spiritual union	then Muslims must pay Zakat on the savings.	Gurdwara	being willing and ready to give a place of assembly and worship for	THE PARTY OF
Muslim Marriage ○ The only Islamic rule that applies before marriage is that the boy and girl should not meet each other on their own without the presence of the third person until after	 Muslims believe acts of charity include Smiling to keep everyone cheerful and feeling positive. 	Guru Amar Das	Sikhs the third of the Ten Gurus of Sikhism	
marriage because two people in love are alone they may get carried away with their emotions.	 Greeting others by saying Assalamu Alaikum (peace be on you) Not taking part in bad deeds/doing good deeds Working to meet one's own needs Asking Allah (swt) for forgiveness Removing stones, rubbish etc. from people's path with 	Langar Mahr	a communal free kitchen/meal mandatory required amount of money or possessions, paid by the groom to the	
	the intention to make life easy for them		bride at the time of	100

(Hadith: Muslim)

marriage

Article 14 – I have the right to have my own thoughts and beliefs and choose my religion.

- Nikkah is the Islamic marriage ceremony which begins in the name of Allah followed by the Imam or a learned
 - person asking first the bride in the presence of three witnesses whether she is happy to marry the groom with the Mahr.



- Mahr are the conditions included in the marriage contract by the bride and agreed by the groom. These could be material gifts: as little as a small sum of money or piece of jewellery; or as large as a house. The Mahr is the bride's to keep even if the marriage ends in divorce.
- Islamic marriage therefore provides a supported and secure environment for family caring both in the help with choosing a suitable marriage partner and through the Mahr.
- 3. How does marriage create an environment for caring? (Christianity)

Christian Marriage

 Christian marriage ceremonies begin with an explanation of the biblical basis for marriage. This is taken from Genesis 2: 24-25.

Therefore a man shall leave his father and his mother and hold fast to his wife, and they shall become one flesh.

- The second stage of the ceremony is a declaration made by both bride and groom and also by everyone gathered as witnesses that there is no reason why the couple may not be married.
- After the declarations, the couple make their vows to one another, such as:



law, in the presence of God I make this vow.

3. How do Sikhs show their generosity?

What do you do to help other people?

Do you do anything to help at home without getting pocket money or anything in return?

- It is good to do something for nothing in return.
- Langar is the name given to the free meal prepared and eaten at the Gurdwara. It is also known as 'the free kitchen' and was started by Guru Amar Das. It is a central part of the Sikh faith. Volunteers take it in turns to prepare, cook and serve food.



Sikhs also believe in the idea of Sewa, which means selfless service, within their faith. In some Gurdwaras, volunteers mend furnishings, prepare flowers and clean shoes in addition to running the Langar.





mutual	felt, said, or done by	
	each for the other;	
	shared by two or	
	more people	
Nikkah	legal agreement of	
	an Islamic marriage	
Sewa	selfless service. It	
	involves helping	
	others without any	
	reward or personal	
	gain	
vow	a serious promise or	
	pledge	
witness	a person who sees or	
	hears something	
	that happened	
Zakat	a practice where a	
	Muslim gives 2.5% of	
	their wealth to	
	charity	









	ave the right to have my own thoughts and beliefs	and choose my religion.	
 These vows ensure mutual care in the family unit if the are kept as they make reference to a long-term commitment in all circumstances (e.g, health/illness) 	Y		
 Marriage vows are an agreement rather than a contract This means that each promises to the other irrespective of whether the other keeps their promises to them. 			
		,	