

Knowledge Organisers

Year 8

Autumn Half Term 1

'Practice of what is taught'

Name:

Tutor:

House:

Year 8 - Portraits

Key knowledge & skills

Drawing a realistic self portrait , building on what you know about drawing from observation. Recording shapes with accuracy. Drawing lightly so you can adjust and refine. Measuring as you draw to achieve accurate proportion. Noticing details, including using mark-making to show different surface textures. Using a range of light, medium and dark tones to show how light shines on the face and where light cannot reach.

Develop your skills in **drawing features**. Learn how to draw eyes, noses and mouths with accuracy and how to position them into a drawing of the whole face. You will learn how to use **tone** to help shape these features and mark making to show textures.

Understanding portraiture Art. In this project, you will learn about the role and purpose of portrait art. You will find out Portrait Art by studying a range of artists.

Your final outcome will be an **accurate** A3 portrait.



Key Artists



Kehinde Wiley

An American artist who often mimics the **'Old Masters'** in his paintings. He blurs the boundaries between t **raditional** and **contemporary** portraits. He was **commissioned** by Barak Obama to paint his presidential portrait. He uses foliage and flowers that are connected to the former president's life.



Ron Mueck An Australia

An Australian born artist who creates highly realistic looking sculptures. He plays around with scale, often creating figures and faces that are extremely oversized.



Kelvin Okafar

A British **photorealist** artist who works in pencil. He studied in Middlesex and during Covid he set up online drawing classes to share his drawing methods with others.



Frida Kahlo

A Mexican artist who was injured badly at a young age and used art as a therapy to help her recovery. She painted many realistic **self-portraits** which were filled with elements of **symbolism**.

Key Terms

PORTRAIT: A painting, drawing, photograph, or engraving of a person, especially one depicting only the face or head and shoulders.



REALISM: Realism is art that is designed to faithfully copy the real world - with accurate recording of shape proportion and detail.



Computing Knowledge Organiser Year 8



Topic: Media – Vector Graphics

Rationale: To identify that a vector drawing comprises separate objects and be able to create vector graphics



Drawing Tools	Combining Objects	Paths	Key Words			
Inkscope has tools for drawing a voriety of different shapes: Squares Circles Ellipses Arcs Polygons Stars	Combine Objects in Inkscape using Source, Union, Difference and Intersection	In Inkscape you can draw your own lines and shapes. The lines can be: • Straight • Curved • Freehand	Digital Graphics	A graphic is an image or visual representation of an object. Therefore, computer graphics are simply images displayed on a computer screen.		
Common Uses	Source Driven Extremelland Extr	Difference between Bitmap and Vector Images	Vector Image	Mathematically based images. Made up of lines, shapes etc (objects). Easily scalable (as they are not pixel based).		
Common Uses Common uses for vector graphics Logos Illustrations cons	Inkscape Inkscape is a professional quality vector graphics software. Vector graphics software is a type of	Vector graphics are images such as illustrations, icons, and logos. They do not use many colours because they have	Bitmap Image	Pixel based images. This type of image is resolution based. Stretching them, stretches the pixels and loses quality.		
Can you research	application used to create and edit images using mathematical formulas and geometric shapes, rather than individual	large areas of solid colour. Bitmap images (raster graphics) are usually real photographs that contain a great deal of detail. They use	Inkscape	Inkscape is professional quality vector graphics software		

Week 2: Ergonomics -What is ergonomics and anthropometrics and how does it affect our lives?

Designers need to think about **anthropometrics** and **ergonomics** when they make products. This helps them create things that are safe, comfortable, and easy to use.

What is Ergonomics?

Ergonomics is about making sure things are comfortable and easy to use. Designers use body size information (anthropometrics) to help with this. If a product isn't designed well, it might hurt to use it or be hard to use. Good ergonomic design makes things better for your body.

Here's what good ergonomics looks like at a desk:

- The desk is the right height for typing and using a mouse.
- The screen is at eye level, so your neck doesn't get sore.
- The chair can be moved up or down to fit your height.
- Armrests and backrests help you sit properly.

What is Anthropometrics?

Anthropometrics is the study of body sizes. It helps designers know how big or small different parts of the body are—like hands, arms, or heads.

For example, if someone is making a safety helmet, they need to know how big people's heads are. Since everyone's head is a little different, the helmet should be adjustable, so it fits most people.

Designing for Most People

It's hard to make one product that fits everyone. So, designers try to make things that work for most people. They use something called **percentiles** to help.

Here's what percentiles mean:

- **5th percentile**: smaller than most people
- 50th percentile: average size
- **95th percentile**: bigger than most people

Designers usually make products that fit people between the 5th and 95th percentiles. That way, most people can use them comfortably.

Watch (2min 16 seconds) <u>Why Ergonomics?</u> | Importance & Benefits of Ergonomic Workplace [LUMI] - YouTube





DT

Week 4: "Exploring Woods: Types, Examples & Uses"

Softwood

- Comes from coniferous trees (trees with needles)
- Grows quickly, making it more affordable
- **Example:** *Pine* used for furniture, flooring, and construction
- Often lighter in colour and easier to cut

Hardwood

- Comes from **deciduous trees** (trees that lose their leaves)
- Stronger and lasts longer but is more expensive
- **Example:** *Oak* used for high-quality furniture and flooring
- Often darker in colour with a denser grain

Manufactured Boards

- Made by gluing wood pieces together
- More stable, affordable, and versatile
- **Example:** *MDF* (*Medium-Density Fiberboard*) used in furniture.

Why understanding different woods matter when making products

- Strength vs. flexibility and its suitability for different products
- Cost and availability of timber before purchasing
- Which wood be best for different jobs

Fun Fact & Conclusion

• Did you know the oldest tree in the world is over 4,800 years old? Woods are everywhere in our lives!

Why understanding different woods matter when making products

- Strength vs. flexibility and its suitability for different products
- Cost and availability of timber before purchasing
- Which wood be best for different jobs

Types		Uses
Softwood	Pine, Cedar	Furniture, construction
Hardwood	Oak, Mahogany	Flooring, luxury furniture
Manufactured Boards	MDF, Plywood	Cabinets, paneling







English – Sparx Reader

For your Sparx Reader homework, you should spend 30 minutes carefully reading your Sparx reader book, paying close attention to what you are reading. If you can achieve 300 points in 30 minutes, that's excellent. If you have spent 30 minutes but not yet reached 300 points, your teacher will see that you have spent enough time reading and will give you a house-point for completing homework.

If you can, try to read in a quiet, distraction-free spot so that you can concentrate on what you are reading and answer the questions accurately.

Your homework is the same every week, so it is your responsibility to complete your 30 minutes, or 300 points, of reading. Please see your teacher **before** the day the homework is due if you have any problems.

Reading Articles

You will have a reading article each week linking to the whole school theme:

Week 1: Values

Week 2: Friendship and Family

Week 3: Ambition

Week 4: Black History Month

Week 5: Equality

Week 6: Celebration

Read the article and highlight three words of which you were not sure. Then write the definition and draw an image which will help you remember.

As you read the articles, you will identify that the articles are not in UK English. However, the articles offer some great messages.

Use this QR code to access the reading articles read by a teacher or link: https://www.castleschool.co.uk/parents/homework.htm



Food

Chemical Hazards

Obviously, the chemical agents with which we clean the kitchen are not for human consumption. Whilst you should spray the surface of a chopping board, you don't want antibacterial in your finished cooked dishes. In addition, poisons and pest control materials can be highly dangerous sources of chemical contamination. You should have a clear system of cleaning which ensures no cleaning fluids, sprays or similar potential contaminants come into contact with food.

Physical Hazards

Physical hazards are things like plasters, jewellery and pest droppings. When you think how far a shattered tumbler will spread glass, it becomes clear how easy it is for physical contamination to get into food. Broken objects should be cleaned immediately and properly. Some contaminants can even be a choking hazard, so keep your eyes peeled.

Allergen Hazards

Allergic reactions can kill. Allergens are one of the most dangerous types of food hazard. The victims' airways or tongue can swell, their blood pressure can plummet, and they can struggle to breathe. Many pre-made ingredients contain allergens and therefore cross-contamination is easy. Education about them is an absolute necessity.

Microbiological Hazards

This is one of the most common types of food hazard and what we mostly associate with food poisoning. It concerns the introduction of bacteria and similar nasties into food can cause a range of illnesses. For example, washing

chicken is an extremely common microbiological hazard. Campylobacter and salmonella can spread when you splash chicken water around the sink and adjacent areas. Handling chicken and

other poultry properly is vital to preventing this.

Clearing Up Procedure in School

- 1. Use hot water and washing up liquid
- 2. Place dirty dishes next to the sink but not on the draining board
- 3. Use a dishcloth
- 4. Wash up the cleanest items first and overturn onto draining board to drain
- 5. Clean worktops with a dishcloth
- 6. Wash out your bins and dry them
- 7. Dry up dishes with a tea-towel and leave out for teacher to check
- 8. Place sharp knives in the block
- 9. Collect your name tag and organise your container
- 10. Pack equipment away
- 11. Check your sink is clean and the plug hole is empty
- 12. Place dirty cloths in the wash basket and oven gloves away
- 13. Switch oven off at the dials and the main switch. Wait quietly for the teacher to dismiss











Geography

Topic: 'How is Asia being transformed?'



Week 2 – Introducing Asia	Week 4 – Asia's population	Week 6 – Squatter settlements and trade
Week 2 – Introducing Asia A continent is a huge area of land, like Asia or Africa, and it's usually separated from other continents by oceans. Inside each continent, there are countries, which are areas with their own governments, like Nepal. Within countries, there are smaller areas called regions, and in different regions, you can find different biomes. A biome is a large area that has its own kind of weather, plants, and animals. One example is the mountain biome, which starts high up—around 3,000 meters—and goes up to where the snow begins. The climate of a biome is what the weather is usually like over a long time, usually 30 years. In Nepal, which is in Asia, the mountain biome is being affected by deforestation, which means cutting down lots of trees. This is causing problems like soil erosion, where the soil gets washed or blown away because there are no tree roots to hold it in place. This can harm the	Week 4 – Asia's populationAsia is the biggest continent in the world, and more than 60% of all the people on Earth live there—that's about 4.4 billion people! Most of them live in just two countries: China and India. In every country, there are people who work and people who don't. The people who don't work, like children and older people, are called the dependent population because they rely on others to take care of them.Some countries, like Japan, have more and more older people and fewer babies being born. This is called an ageing population, and it means there are fewer young people to help support the older ones. Japan's population is also getting smaller, which can make it hard to keep the country running smoothly. On the other hand, Afghanistan has lots of young people and its population is growing very fast. This can lead to overpopulation, which happens when there aren't enough jobs, food, or homes for everyone.	Week 6 – Squatter settlements and tradeA megacity is a city with more than ten million people,like Mumbai in India. Inside Mumbai is Dharavi, thelargest squatter settlement in India. Squattersettlements—also called slums, favelas, or shantytowns—are areas where people live in poor-qualityhomes without proper water, toilets, or electricity.Dharavi is very crowded, with about one millionpeople living in just one square mile. Even though lifeis hard, there's a strong sense of community. Thegovernment wants to move people out to build newdevelopments, but many residents don't want toleave, which causes conflict.India is also connected to other countriesthrough interdependence, meaning it works with andrelies on others, especially through trade. Trade iswhen countries buy and sell goods andservices. Exports are things a country sells to others,and imports are things it buys from other countries. If
land and the people who live there.	In some places, the opposite happens—there aren't enough people to use all the resources and technology. That's called underpopulation . Each of these situations brings different challenges for countries to solve.	a country spends more on imports than it earns from exports, it has a trade deficit . If it earns more from exports, it has a trade surplus . Since 2006, India's economy has grown quickly. Its imports—like oil from the Middle East and goods from China—and its exports—mainly to other Asian countries—have both tripled.

History

Component	Core knowledge (that you NEED to know)	Key vocab (that you NEED to know and use)		
Week 1: Why was the Roman Catholic Church challenged in the Early 1500s?	In England in the 1500s most people were Roman Catholic Christians. If you did not follow the Catholic faith, you were considered a recusant by the Church and the monarch. Religion was used by the Church and monarch as a way to control people. If people were good, they thought they would go to heaven after death. If they had sinned, they were told to expect to go to hell. The Church was a positive influence for many people as they found community and support, such as shelter, medical and food. Martin Luther was a German monk and teacher who lived from 1483 to 1546. He is best known for starting the Reformation by challenging the Catholic Church's practices, especially the sale of indulgences, with his 95 Theses in 1517. Luther's actions led to the creation of Protestant churches, and he also translated the Bible into German, making it accessible to more people. His ideas about faith and direct relationship with God changed the course of Christian history. This movement indirectly influenced Henry VIII, who, driven by personal and political motives, broke away from the Catholic Church and established the Church of England. Luther's actions set the stage for broader religious transformations that reshaped Europe.	Recusant: Someone who did not follow the religion of the country. Doom paintings: Paintings found on the walls of Catholic churches. They would show good people going to heaven and sinners going to hell. Reformation – The process of making change in an organisation. 'The Reformation' is the name given to describe How Henry VIII changed the church from Catholic to Protestantism.		
Week 3: Why did his marriage to Catherine of Aragon become a challenge for Henry VIII?	 'The King's Great Matter' is a way that Henry VIII's advisors referred to his efforts to get a divorce/annulment from Catherine of Aragon. It was a very difficult situation because both Henry and Catherine believed that they had evidence to show that the other was wrong in their views. Catherine also refused to leave. She was a strict Catholic so believed marriage should last until death. However, four key areas, explain why Henry decided to overcome this challenge through a divorce. 1. Lack of Male Heir: His marriage to Catherine had failed to produce a male heir to the throne, which was crucial for the stability of the Tudor dynasty. 2. Infatuation with Anne Boleyn: Henry became infatuated with Anne Boleyn, one of Catherine's ladies-in-waiting. Anne's influence encouraged him to seek a divorce and pursue a relationship with her. 3. Issue with Catherine of Aragon – Catherine had many miscarriages and by 1527 was around 40. She would not be able to bear a male heir. 4. Religious concerns – Henry VIII was concerned that he had married his dead brother's wife and this was sinful/against gods will. 	Divorce: Ending a marriage Illegitimate: born outside marriage (a child could not legally become a monarch if this was so) Annulment: Declaration to say a marriage was never legal in the first place. Pope: The Head of the Catholic Church Heir: The next person to rule a country.		

Week 5: How was the	The Pope is considered the spiritual leader of Catholics worldwide. He interprets religious doctrine,	Divorce: Ending a marriage
Catholic Church a challenge	provides guidance, and ensures unity within the Church. He refused to give Henry VIII an annulment as	Annulment: Declaration to say
to Henry VIII's Power?	he was worried about upsetting the King of Spain and the other Catholic leaders. Henry didn't like the	a marriage was never legal in
_	fact that the Pope had more power than him over people in England and told them what to do. After all,	the first place.
	Henry was king of England and not the Pope! Why should the Pope who lived in Rome in Italy have more	Pope: The Head of the Catholic
	power than Henry.	Church
	The Pope faced challenges: He was about to step down as pope and lacked time. He was a	Heir: The next person to rule a
	prisoner of the Holy Roman Emperor, Charles V. A previous pope had clashed with Henry,	country.
	making Clement hesitant to assist him. Essentially, this led to Henry VIII making himself Supreme	Reformation – The process of
-	Head of the new 'Church of England'.	making change in an
	He rid himself of his old Catholic Archbishop, Wolsey, and appointed a new Protestant	organisation. 'The
	archbishop, Cranmer. He annulled his own marriage to Katherine and married Anne Boleyn	Reformation' is the name
	By making himself Head of the new Church in England, people wouldn't pay their taxes to the Pope,	given to describe How Henry
	instead they would pay their taxes to Henry. Henry would become rich. Henry could sell the land and	VIII changed the church from
	buildings (monasteries) that the Roman Catholic Church owned in England and make a lot of money for	Catholic to Protestantism.
	himself.	Economic: Relating to money.
	Monasteries were Catholic places of worship and were often very big, rich places. Monks would live in	Monastery: A place where
£	monasteries and devote their lives to serving God. Monks had to give up their families and possessions	monks live.
	when they went to live in monasteries so were individually very poor. However, they had food,	Tithe: A tax of 10% of income
	healthcare, education and accommodation in the monasteries, so they were good places to live. They	or production that the public
	were highly decorated, impressive buildings with lots of expensive items and relics. The Catholic Church	pay the Church.
	owned a quarter of all the land in England at that time. The Catholic Church took 10% of people's income	Dissolution: Destruction –
	at this time (tithe). Henry VIII wanted this wealth for himself as he had spent much of his wealth on	getting rid of the monasteries.
	costly wars.	

Languages - French

Where did y	ou go on holidays? \	vith who?		word for word, but means 'I arrived' in real English.		
Time phrase	Être verb	Past participle	Country	With	Who with?	
Time pinuse	Je suis / Nous sommes we	allé (e) went arrivé (e) arrived allé(e)s went	au Maroc to Morocco au Portugal to Portugal au Canada to Canada	avec with	mon père my dad mon copain (male) friend ma mère my mum	
L'année dernière <i>Last year</i> L'été dernier Last summer		arrivé <mark>(e)</mark> s arrived	en France to France en Espagne to Spain en Italie to Italy en Grèce to Greece		 ma copine (female) friend ma famille my family mes parents my parents 	
			aux États-Unis <i>to America</i>		mes copains my friends	

When	Verb	Details	With	Who?
Normalement	je vais I go / I am going nous allons we go / we are going	au bord de la mer to the seaside à la campagne to the countryside à la montagne in the mountains à Paris to Paris	avec	mon père my dad Perendia mon copain (male) friend Ima mère my mum
D'habitude usually Pendant les vacances during the holidays	je voyage I travel nous voyageons we travel	en train by train en car by coach en voiture by car en avion by plane en bus by bus à vélo by bike à pied on foot		ma copine (female) friendma famille my familymes parents my parentsmes copains my friends

			word for word, but means rarrived in rear English.		
Time phrase	Être verb	Past participle	Country	With	Who with?
L'année dernière Last year L'été dernier Last summer	Ltre verb	Past participle allé (e) went arrivé (e) arrived allé(e)s went arrivé(e)s arrived	au Maroc to Morocco au Portugal to Portugal au Canada to Canada en France to France en Espagne to Spain en Italie to Italy en Grèce to Greece	with avec with	Who with? mon père my dad mon copain (male) friend ma mère my mum ma copine (female) friend ma famille my family mes parents my parents my priends

Tu es allé(e) où en vacances? Avec qui? (verbs that use 'être' / perfect tense) Where did you go on holidays? With who?

Tu as voyagé comment? Comment était le voyage? (regular -er verb / perfect tense) How did you travel? How was the journey?

Time phrase	Avoir verb	Past participle	Transport	Conjunction + verb	Adjective
L'année dernière <i>Last year</i> L'été dernier <i>Last summer</i>	j'ai / nous avons We	voyagé travelled voyagé travelled	en voiture by car en train by train en avion by plane en car by coach en bus by bus	et c'était and it was et ce n'était pas and it wasn't	rapide quick lent slow cher expensive confortable comfortable ennuyeux boring

Time phrase	Avoir verb	Past participle	Activity	Conjunction / verb	Adjective						
	j'ai /	joué played	au tennis <i>tennis</i>								
		mangé ate	des glaces some ice-creams		génial great						
		retrouvé	mes / nos amis my / our friends		amusant						
Pendant les vacances	nous avons	- met	de la musique		<i>fun</i> marrant						
During the holidays	nces we	écouté listened	to some music des baskets	et c'était and it was	funny sympa nice						
D'abord First of all		acheté bought	some trainers des clips vidéo								
Ensuite Next								regardé watched	some video clips dans la mer in the sea		
Après After		nagé swam	à la maison at home		ennuyeux boring						
Finalement Finally		traîné hung around			nul <i>rubbish</i>						

Tu as passé de bonnes vacances? (regular –er verbs / perfect tense) Did you have a good holiday?

Qu'est-ce que tu as fait pendant les vacances? (irregular verbs / perfect tense) What did you do on holiday?

Time phrase	Avoir verb	Past participle	Details	Conjunctio n + verb	Adjective
Pendant les vacances During the holidays D'abord First of all	j'ai /	vu saw bu drank	un spectacle a show des monuments historiques some historic monuments un coca a cola		génial great amusant fun marrant Funny
Ensuite Next Après	nous avons we	lu read	un roman a novel / book	et c'était and it was	sympa Nice
After Finalement Finally		fait did/made	une balade en bateau a trip by boat		ennuyeux boring
		pris took	beaucoup de photos lots of photos des selfies some selfies		nul rubbish

German

opinion	noun		negative or intensifier	C	onnective	adjective			verb
Ich mag / like Ich liebe / love Ich hasse / hate Ich mag auch / also like	ke Englisch English Erdkunde geography I liebe Französisch French ove Geschichte history Informatik /T Inhasse Kochen food ate Kunst art Mathe maths I mag Musik music I mag Sport PE		schaften anish nicht not nicht not pography schaften nicht not pography schaften nicht not pography schaften pography pogra		<i>ecause in</i> obwohl es	e it kreativ creative lustig funny I es nützlich useful		-	ist. <i>is.</i>
lch mag <i>I like</i>					doof <i>stupid</i> furchtbar <i>terrible</i> langweilig <i>boring</i> nervig <i>annoying</i> nutzlos <i>useless</i> schrecklich <i>awful</i> schwierig <i>difficult</i> stinklangweilig <i>really boring</i>			finde. find (I think it's)	
Time phrase	9		Was hast du am ecific time ph		?	Verb +	Object		
·						subject	(school s	ubject)	
Am Donnersta Am Freitag <i>O</i> a	On Tuesday On Wednesday ag On Thursday n Friday On Saturday On Sunday	in der zw in der dri in der vie in der fün in der sed in der let vor der P nach der vor der M	sten Stunde <i>in</i> reiten Stunde <i>in in</i> erten Stunde <i>in t</i> often Stunde <i>in t</i> rchsten Stunde <i>i</i> zten Stunde <i>in</i> Pause <i>before bro</i> Pause <i>after br</i> littagspause <i>be</i> Mittagspause <i>a</i>	the 2 nd µ the 3 rd µ the 4 th p n the 5 th n the 6 th n the last eak reak fore lund	period period period period period t period t period	habe ich <i>I have</i> haben wir we have	Deutsch (Englisch E Erdkunde ; Französisc Geschicht Informatik Kochen for Kunst art Mathe mat Musik mus Naturwiss Religion R Spanisch (Spanisch (Spanis	English geograph ch French e history IT od ths sic enschafte E Spanish rama T	n <i>science</i>
Wann When		hast du <i>h</i>	have you (Ma	athe)?	a	cht <i>(8)</i>		fünfzehr	<u>ו</u>

			Connective			
Subject-Verb	Time phrase	Noun – food/drink	(Kicker)	Intensifier	Adjective	Verb
Ich esse	jeden Tag	Chips crisps	weil es	ziemlich	lecker	
l eat	every day		because it	quite	tasty	ist
		einen Apfel an apple				is
	jede Woche		obwohl es	sehr	köstlich	
Er isst	every week	einen Kuchen a cake	although it	very	delicious	
He eats	-		-	-		
	oft	Kekse biscuits		ein		
Sie isst	often			bisschen	gesund	
She eats		Schokolade chocolate		a bit	healthy	
	manchmal					
Ich trinke	sometimes	Bonbons sweets		echt/ganz	ungesund	
l drink				really	unhealthy	
	ab und zu	eine Banane a banana		-		
Er trinkt	now and then			extrem	langweilig	
He drinks		eine Orange an orange		extremely	boring	
	immer				l ĩ	
Sie trinkt	always	ein Brötchen a bread roll		total	ekelhaft	
She drinks				completely	disgusting	
	selten	Cola cola				
	rarely					
		Orangensaft orange juice				
	nie					
	never	Wasser water				

Was isst du in der Schule?

Wie sind die Lehrerinnen und Lehrer?

Wie sind die Lenren und Lenren					
Pronoun/noun		verb	intensifier	adjective	
Ich / Du you		bin <i>am</i> bist are	zu too	alt <i>old</i> fair <i>Lorrine</i> freundlich <i>friendly</i>	
Der Lehrer The teacher (ma Die Lehrerin The teacher (fe Der Direktor The headteach Die Direktorin The headteach Er He Sie She Wir We Sie They Die Lehrer The teachers (ma Die Lehrerinnen The teacher	ist <i>is</i> sind <i>are</i>	sehr very ziemlich quite ein bisschen a bit nicht not	gemein <i>mean</i> jung <i>young</i> komisch <i>weird</i> kräftig <i>strong</i> launisch <i>moody</i>	endly	
Opinion phrase verb	noun	á	adjective		
Meiner Meinung nach ist In my opinion	der Deutsch	1	freundlich fair		
Ich denke, dass	nrerin ⁸	streng			
I think that	die Sportleh	rorin		ist	

Mandarin

Subject	Verb 1	Verb 2	Object	because	adjective
wo 我 I		^{chī} eat	^{miðn bðo} 面包,bread		^{nen néo chi} 很好吃。very tasty
<mark>爸爸 Dad</mark>			^严 她,egg		^{pen xièng} 很香。very fragrant
^{mā mā} Mum			^{mièn tièo} 面条,noodle		^{hen_tion} 很甜。very sweet
<mark>흫.</mark>	^{xi huðn} 喜欢 like		^{mi fan} 米饭,cooked rice	yin wei 因为	
older brother 弟弟			^{bǐ sò bíng} 比萨饼,pizza	because	
younger brother ^{jii jii} 女王女王			^{shui} guð <mark>水果,fruit</mark>		
older sister		<mark>喝 drink</mark>	^{shuī} 水,water		nen náo né 很好喝。very tasty
měi měi 妹妹			<mark>茶,tea</mark>		^{hen xièng} 很香。very fragrant
<mark>younger sister</mark>			^{guð} 凯 果汁,fruit juice		^{Nen_tion} 很甜。very sweet

we zi huán di mi fán yin wei hán háo di 我喜欢吃<u>米饭</u>,因为<u>很好吃</u>。I like eating rice, because it's very tasty.

wo bù xì huán chí mí tán yín wéi bù háo chí 我不喜欢吃<u>米饭</u>,因为<u>不好吃</u>。I don't like eating rice, because it's not tasty.

Subject	Negative	Verb 1	Verb 2	Object	because	adjective
<mark>⊮u</mark>			^{chī} 吃 eat	^{miàn bào} 面包,bread		^{™ ™} 示 不好吃。not tasty
<mark>爸爸 _{Dad}</mark>				^真 幽蛋,egg		^{w xing} 不香。not fragrant
^{mà mà} 妈妈 Mum				^{miàn tiào} 面条,noodle		^{bù tiòn} 不甜。not sweet
<mark>흜 흜</mark> <mark>哥 哥</mark> older brother	^{bù} 不	^{xī huān} 喜欢 like		^{mǐ fàn} 米饭,cooked rice	yin wéi 因为	
^{di di} 弟弟				^{bī sā bīng} 比萨饼,pizza	because	
younger brother ^{jiē jie} 女且女且				^{shuī} guǒ 水果,fruit		
older sister			<mark>喝 drink</mark>	^{shuī} , water		^{bù hǎo hē} 不好喝。not tasty
wei mei 妹妹 younger sister				<mark>茶,tea</mark>		^{bù xiǎng} 不香。not fragrant
younger sister				^{guð} zhī 果汁,fruit juice		^{bù tián} 不甜。not sweet

who	family	Days of the week	eat	food	drink	drinks
with 我 xiôn yuê Jamel ping yoù	family	Ning of yi 星期一 Monday	^{dij} eat	ried noodles fried noodles fried noodles がの仮, fried rice 虚かがの仮, egg fried rice i 校子, dumplings とで、 steamed stuffed bun	^{hè} ^A	will water 水。water 水。tea 水 水 雪 雪 本 Chinese tea ying gut chinese tea gut chinese tea gut chinese gut chinese tea gut chinese tea gut chinese gut chin

wő jið xing qi yi di mi fön 我家星期一吃<u>米饭</u>。My family on Monday eat <u>rice</u>.

wǒ men zǎo fàn chī miàn bào, hē niú nǎi 我们<u>早饭吃面包</u>,喝<u>牛奶</u>。We breakfast eat bread, drink milk.

who	mealtimes	eat	food	drink	drinks
wō men 我们	zǎo tàn 早饭	^{chī} 吃 eat	^{niú} ròu 牛肉,beef	^{hē} 喝 drink	^{shuĭ} <mark>水₀ water</mark>
^{题 题} Dad	breakfast <mark>半饭</mark>		^{zhù ròu} 猪肉,pork		^{niú nði} 牛奶 milk
^{mā mà} 妈妈 _{Mum}	lunch wăn fàn		^{yéng} rèu 羊肉,lamb		zhōng guó chá 中国茶。
<mark>흘 흘</mark>	晚饭		^爽 肉,chicken		Chinese tea
older brother ^{di} di 弟弟	dinner		^应 。fish		ying guó chá 英国茶
younger brother			white miltin .		English tea 果汁。
			fried noodles		来 行。 fruit juice
older sister mei mei 妹妹			<mark>蛋炒饭,</mark>		gā fēi 咖啡。
ダーター younger sister			egg fried rice		coffee

Subject	would like to	eat or drink	Object	because	adjective
w ^w 我 ^{BB} 爸 ^{Dad} 爸 ^m 妈 ^{Dad} 吗 Older brother ^a 弟 younger brother ^a 弟	xiðng 想 would like to; want to	^{chi} P ⁻ eat	^{choo} còi 炒菜, stir fried dish ^{bing qi lin} 冰淇淋 ice cream ^{qido} kë li 巧克力 chocolate ^{mi fan} , cooked rice 比萨饼, pizza ^{shui guð} , fruit	ýin wéi	^{hên hòo} chỉ 很好吃。very tasty 很香。very fragrant ^{hên tiùn} 很甜。very sweet
older sister ^{měi měi} <mark>妹妹</mark> younger sister		^腾 drink	^{gið féi} 咖啡, coffee 茶, tea ^{guð zhi} 果汁, fruit juice		hèn hào hè 很好喝。very tasty 很香。very fragrant <mark>hèn tiàn</mark> 。very sweet

we xing chi mi fan yin wei hen hao chi 我想吃<u>米饭</u>,因为<u>很好吃</u>。I would like to have <u>rice</u>, because it's <u>very tasty</u>.

wo bù xông chī mī fǎn yin wéi bù hào chī 我不想吃<u>米饭</u>,因为<u>不好吃</u>。I don't want to have <u>rice</u>, because it's <u>not tasty</u>.

Subject	Negative form	would like to	eat or drink	Object	because	adjective
w ^w 我」 Dad Mum See See See See See See See Se	^{bù} 不	would like to; want to	<mark>吃 eat</mark>	^{bing qi lin} 冰淇淋 ice crea m ^{qiðo} ^{kê li} 巧克力 chocolat e ^{mi fan} 大饭, cooked ri ce 比萨饼, pizza	vin wei 因为	bù hào chi 不好吃。not tasty 不香。not fragrant ^{bù tiàn} 不甜。not sweet
jié jié <mark>姐姐</mark> older sister ^{méi méi} 妹妹 younger sister			^{▶®} 喝 drink	^{go fei} 咖啡, coffee 茶, tea ^{guo zhī} , fruit juice	-	^{bù hảo hé} 不好喝。not tasty ^{bù xiðng} 不香。not fragrant ^{bù tiðn} 不甜。not sweet

Spanish

	¿De	dónde eres? (Where	are you from?) P	resent tense conjugatio	on of ser		
VERB - ser	PREP'	NOUN	CONNECTIVE	NOUN - location	PREP'	NOUN - c	ountry
(Yo) soy I am (Tú) eres You (singular) are (ÉI/ Ella) es He/she is (Nosotros) somos We are (Vosotros) sois You (plural) are (Ellos) son They are	de from / of	Taunton Bristol Madrid Roma Cardiff un pueblo a village / a town una ciudad a city	que está en which is in	el centro the centre el este the east el norte the north el oeste the west el sur the south el noreste the <u>north east</u> el noroeste the <u>north west</u> el sureste the <u>south east</u> el suroeste the <u>south west</u>	de from / of	Alemania Escocia España Francia Gales Grecia Inglaterra Italia Polonia Portugal Ucrania	Scotland Spain France Wales Greece

n	verb	from	country	
¿De dónde son tus cosas favoritas? (Where are your favo n Mi amigo / Mi amiga My friend Mi coche My car Mi comida favorita My favourite food Mi fruta favorita My favourite food Mi fruta favorita My favourite football player Mi jugador de fútbol favorito My favourite football player Mi móvil My phone Mi ordenador My computer Mi osito My teddy Mi televisión My TV Mis abuelos My grandparents		de from		Germany Scotland Spain France Wales Greece England Italy Poland
Mis addetos My granaparents Mis vaqueros My jeans Mis zapatos My shoes			Portugal Ucrania	Ukraine

		ځDó	nde vives? (where do y	ou live?) Present tense				
VERB - vivir	PREP	NOUN	INTENSIFIER	ADJECTIVE	PREP	NOUN - co	untry	
		<mark>un barrio</mark> an area, neighbourhood	un poco	acogedor cosy antiguo old bonito beautiful		Escocia	Scotland	
(Yo) vivo		neighbourhoou	a bit	cómodo comfortable		España	Spain	
l live		<mark>un</mark> bloque de pisos	bastante	grande big moderno modern feo ugly		Gales	Wales	
(Tú) viv es You (singular) live		a block of flats	quite	nuevo new		Grecia	Greece	
(Él / Ella) vive		un castillo a castle	quite	pequeño small raro weird		Inglaterra	England	
He / she lives	en		muy		en	Italia	Italy	
(Nosotros) vivimos	in	un edificio a building	very	acogedora cosy antigua old	in/on	Polonia	Poland	
We live (Vosotros) vivís You (plural) live		un piso a flat	extremadamente extremely		bonita beautiful cómoda comfortable grande big moderna modern fea ugly		en el centr in the city o	ro de la ciudad centre
(Ellos) viven They live		<mark>una casa</mark> a house	demasiado too	nueva new pequeña small rara weird		la costa	the coast	
		una granja a farm				las afueras	the outskirts	

¿Cómo es tu casa? (What does your house look like?)	¿Dónde está tu casa? (Where is your house?). Use of ser/estar
VERB – ser, estar	ADJECTIVE
Mi casa es My house is (used for description)	antigua old bonita beautiful cómoda comfortable fea ugly moderna modern nueva new pequeña small rara weird acogedora cosy grande big
Mi casa está My house is (used for location)	en el campo in the countryside en el centro de la ciudad in the city centre en un pueblo in a village
(Yo) estoy I am (used for location)	en la costa on the coast en la montaña in the mountains en la ciudad in the city
(Tú) estás You are (used for location)	en las afueras on the outskirts en Inglaterra in England en España in Spain

En mi casa hay In my house there are	siete habitaciones 7 rooms diez habitaciones 10 rooms tres dormitorios 3 bedrooms	
Mi casa tiene My house has Tenemos We have Afuera hay	un aseoa toiletun comedora dining roomun cuarto de bañoa bathroomun despachoa studyun garajea garageun jardína gardenun pasilloa hallun salóna living room	antiguooldbonitobeautifulcómodocomfortablefeouglymodernomodernnuevonewpequeñosmallraroweird
Atuera nay Outside there is Abajo hay Downstairs there is Arriba hay Upstairs there is	una cocina a kitchen una terraza a terrace	antiguaoldbonitabeautifulcómodacomfortablefeauglymodernamodernnuevanewpequeñasmallraraweird
Mi habitación favorita es My favourite room is	el salón the living room mi dormitorio my room la cocina the kitchen	

Maths

On a Monday, your Maths task will be set by your teacher. You should log on to Sparx Maths to complete this task. Your practice book has an area for your workings which you need to use as during the homework, Sparx Maths undertakes a bookwork check.

On a Thursday you practice independently on an area where you have a gap in your knowledge.

When logged in to Sparx students will always be able to see the Independent Learning option on the main menu:



Students have the option to choose both the **curriculum** they want to work on and the **default level** for the questions they will see, but when they first log in the curriculum will be the same as the **Base curriculum** that is set on their class' <u>SoL</u>, and the level will be set to the level they are being set for their homework (whether this was chosen by the algorithm or the teacher.)

					Sparx Maths	130 ХР Ф 📃
Sparx Ma	aths			130 XP Eric Friend 🏚 🗮	My Homework	Independent Learning
Compulsory	Independent Lear	ning			Your curriculum:	
G.	_				GCSE	
XP Boost	Find topics My activity Search for topics: Your curriculum: Default level.			Default level:		
냅 Target	Enter topic name or code OCSE			Level 5		
Tel Bor	Select a topic:	PD		2	Search for topics:	
Practice	Number	÷+ ×-	Algebra	\mathbf{x}^{2}	Enter topic name or	code
E Independent	Ratio and Proportion	3:2	Geometry	1 N	Select a topic:	
Learning		5.2			🔡 Number	>
	Probability		Statistics	at		
					χ^2 Algebra	>
	On desktop				★ Topics	导 Activity
					On m	obile

- Typing one of the following in the Search for topics field:
 - The name of a topic
 - A keyword
 - A code given to them by their teacher. (Find out more about Topic Codes in our article on the <u>Independent Learning Page</u>)
- Browsing the content by clicking on one of the main Strands:

< Spe	arx Maths	200 XP	Eric Friend	¢	Ξ
	Independent learning > Geometry				
Compulsory	✓ Area and perimeter				
SP Boost	imes Line and shape properties				
Marget	✓ Angles				
	✓ Trigonometry				
Practice	✓ Similarity and congruence				
12	∧ Circles				
Independent Learning	Ide parts of circles		*		

Choosing what level to work at within a topic

When in a topic, students will see three sets of questions at the level set on their Independent Learning homepage (see image above) which they can choose from:

- Introduce: basics skills for this topic at this level
- Strengthen: questions to consolidate understanding
- Deepen: more problem-solving type questions to challenge

If students find questions too easy or too tricky, they can change the level of each individual topic*. This won't affect the overall level of questions in all other topic areas so they can tailor what they see to their strengths and weaknesses.

*Some topics won't have higher or lower levels depending on the subject chosen.

How students view their own progress

1. By a count next to each topic, and Ticks and Stars within each set of questions:

Independent learning Algebra	
∧ Algebraic notation	1/1 started
Using algebraic notation	Lavai 5 🗸 ★ 🖈 🔈
 Substituting into expressions and formulae 	1/3 started
Substituting into expressions	
Substituting into algebraic formulae	Level 5 🗸 🖈 🖈 🔊
Substituting into real-life formulae	✓ ± ±

- Students will get a **tick** if they complete one of the tasks in the topic. This means all the basics are covered.
- Students will get a **star** for each subsequent task they complete.

Music

WEST AFRICAN DJEMBE DRUMMING

BUILDING ON WHAT YOU ALREADY KNOW:

- Dynamics volume
- Tempo speed

TASKS:

dancing)

rhythms

- Pulse a steady beat (think of the pulse in your body) ٠
- Structure- the different sections in a piece of music (AB, ABA, verse/chorus)
- Improvisation making up the music as you are going . along while still following the pulse and style
- . Call and Response - a phrase is sung or played and is answered by another group (Oggie, Oggie, Oggie)

Discover four of the traditional instruments from Africa, and

historic methods of communication/performing (gumboot

To read drum rhythm tables to perform accurate poly-







NEW ESSENTIAL KNOWLEDGE:

- Bass the drum is hit in the centre with flat fingers and palm. This creates the lowest pitch sound.
- Tone the drum is hit near the edge, using the edge of your palm and most of the underside of your fingers. Your fingers should be together. This creates a middle pitch sound.
 - Slap the drum is hit close to the edge, using only your fingertips and the edge of your palm. Your fingers are spread out a little bit. It creates the highest pitch sound.
 - Texture the different layers happening within a piece.
 - -Monophonic a single unaccompanied line of music, one layer.
 - -Homophonic multiple layers of music but everything moves in chunks, the same rhythm.
 - -Polyphonic multiple layers of music doing different things.
 - Rhythm how long notes last and how they are grouped together in a pattern
 - Polyrhythm multiple rhythms happening at the same time
 - Syncopation when a note is moved slightly earlier so that it is before the beat

Djembe

- Kora
- **Talking drum**







tion and syncopation

FINAL PROJECTS:

Perform as a group your African Music composition. It should have a steady pulse and clear structure with, different drum strokes (sonority), dynamics and textures.



VARIATIONS

BUILDING ON WHAT YOU ALREADY KNOW:

- Dynamics volume
- Tempo speed
- Pitch how high or low the note is
- Instrumentation what instruments are used
- Structure the different sections in a piece of music (AB, ABA, verse/chorus)
- Keyboard Skills
- Production Skills (GarageBand)

TASKS:

Define variations and particularly musical variations

Analyse how music has been varied using DR SMITH for keywords on a variety of different pieces of music

Perform the ground bass from Canon in D and a piece of historic music as written as fluently as possible.

FINAL PROJECTS:

Experiment with DR SMITH to **create** and **perform** your own variations based upon a simple melody.

Experiment with DR SMITH to create and produce your own variation on GarageBand.



NEW ESSENTIAL KNOWLEDGE:

- Variation where the main theme/melody has been altered to make a still recognisable but different melody (like a remix)
- Round/Canon the same melody is used but each musician starts at different times
- Articulation the way you play certain not
 - -staccato—detached and spikey)
 - *legato*—playing smoothly, will often have *slurs*
- **Texture** the different layers happening within a piece.

-Monophonic - a single unaccompanied line of music, one layer.

-*Homophonic* - multiple layers of music but everything moves in chunks, the same rhythm.

- -Polyphonic multiple layers of music doing different things.
- **Rhythm** how long notes last and how they are grouped together in a pattern
- **Melody** the tune or most important layer in a piece of music. In vocal music the lyrics are the melody.
- Tonality what key the piece of music is in.

-Major gives a happy feel

-Minor makes the music seem sadder.

- **Harmony** the chords that get played with the melody are the harmony, they are major or minor chords
- Ground Bass—a repeated bass line



Achieve . Belong . Participate

Religion and World Views

Week 1 - Understanding Humanism and Related Beliefs

Humanism—a worldview that focuses on human values, reason, and the natural world. Humanists believe the universe is a natural phenomenon, not guided by supernatural forces. They see science as the best way to understand how the world works.

Humanists are often atheists (who don't believe in God) or agnostics (who believe we can't know if God exists). They see no convincing evidence for an afterlife or a higher, external meaning to life. Instead, they believe we can create our own meaning and help others do the same.

Humanists believe morality is a human creation. They use reason, empathy, compassion, and respect to decide how to act. They are also secularists, supporting freedom of religion and belief, and believing that no religion should have special privilege in society.

Humanists value humanity and celebrate human achievements. They believe in living well, helping others, and making the world a better place through kindness and understanding.

Key Terms

- Humanist: Believes in a natural world and values science and reason.
- Atheist: Does not believe in God.
- Agnostic: Believes we can't know if God exists.
- Secularist: Supports a non-religious society.

Week 3 - Racism and Anti-Racism

Racism is when someone is treated unfairly or unkindly because of their race or ethnicity. It can include prejudice, discrimination, or even antagonism—hostile behaviour—toward people who belong to a particular racial or ethnic group. Racism often affects people from minority or marginalised communities, and it can happen in many forms, from name-calling to unfair treatment in jobs, schools, or public places.

Being an anti-racist means standing up against racism. It's not enough to just say, "I'm not racist." Anti-racists act. They speak out when they see racism, support those who are affected, and help others understand why racism is wrong. Anti-racists are like beacons of light—they inspire others to do the same.

To be anti-racist, you can start by learning more. Read books, listen to different voices, and ask questions. Use your voice to make it clear where you stand. Every small action helps build a fairer, kinder world.

Key Terms

• Racism: Treating someone unfairly because of their race or ethnicity.

• Anti-Racist: A person who actively works to challenge and stop racism.

Week 5 - Understanding Sexism

Sexism is the belief or attitude that one gender is less important, less capable, or less valuable than another. It often leads to unfair treatment based on whether someone is male, female, or identifies differently. Sexism can affect anyone, but it most often targets women and girls.

Sexism can show up in many ways. It might be someone saying that only boys are good at sports or that girls shouldn't lead. It can also happen in workplaces, schools, or the media—where people are treated differently or given fewer opportunities because of their gender.

Being aware of sexism helps us challenge it. Everyone deserves to be treated with respect and fairness, no matter their gender. We can all help by speaking up when we see unfair treatment, supporting each other, and promoting equality.

When we treat people equally and value everyone's abilities, we create a more just and respectful world.

Key Term

• **Sexism**: The belief or attitude that one gender is inferior, less competent, or less valuable than another.





(Compared to Earth)	Gravitational Field Strength
0.4	4 N/kg
0.9	9 N/kg
1	10 N/kg
0.5	4 N/kg
11	23 N/kg
9	9 N/kg
4	9 N/kg
4	11 N/kg

Week 4 - What is	Recap: states of matter:				
atmospheric	Matter is the material fr	om which everything is made. I	t can exist as three states: Solid, liq	juid and gas	
pressure?	Particle diagrams:			State changes:	
	Solid	Liquid	Gas		Soo Freezing Melting
	Particles in solids vibrate	Particles in liquids can move over one another	Particles in gases are spaced out. They move quickly and randomly		A grog
	The more particPressure can be	by particles colliding with (pushi cles the higher the pressure as the measured in N/m ² or Pascals (F essure is 100,000 Pa	here are more collisions.		
	Incre		articles will also increase pressure as gy so collide with the sides more.	s the	gas molecule c
	Pressure is exerted by a Pressure depends on the - Depth of the flu	id. (The deeper something is the you than at the top of a mounta	e more weight (force) is above you	to exert pressure) e.g. at sea level you have	Pressure from a right angles to t
		00 times denser than air at sea ouble the pressure that you fel			
		Both liquids and gases ca 'flow' so they are known a fluids.			The pressure on the sea is due to atmospheric pr as well as water pressure



