

Knowledge Organisers

Year 8

Autumn Half Term 1

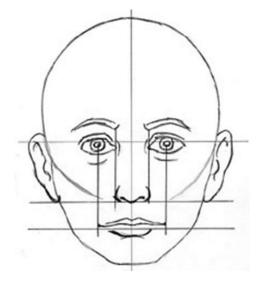
'Practice of what is taught'

Name:	,
Tutor:	,
House:	,

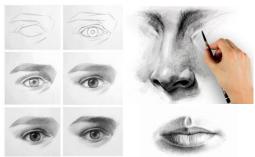
Year 8 - Portraits

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 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

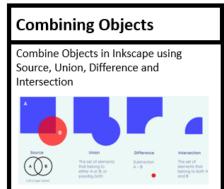


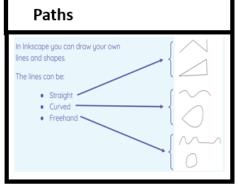
Topic: Media – Vector Graphics



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

Inkscape has tools for drawing a variety of different shapes: PRectangles Squares Circles Ellipss Arcs Polygons Stors





Common Uses Common uses for vector graphics Logos Illustrations Icons Can you research any others?



Vector graphics software is a type of application used to create and edit images using mathematical formulas and geometric shapes, rather than individual pixels.

Difference between Bitmap and Vector Images Pixels Pixels Vector graphics are images such as illustrations, icons, and

Vector graphics are images such as illustrations, icons, and logos. They do not use many colours because they have large areas of solid colour.

Bitmap images (raster graphics) are usually real photographs that contain a great deal of detail. They use lots of colours because each tiny pixel is a slightly different shade to allow the colours to blend.

Key Words

Digital Graphics	A graphic is an image or visual representation of an object. Therefore, computer graphics are simply images displayed on a computer screen.
Vector Image	Mathematically based images. Made up of lines, shapes etc (objects). Easily scalable (as they are not pixel based).
Bitmap Image	Pixel based images. This type of image is resolution based. Stretching them, stretches the pixels and loses quality.
Inkscape	Inkscape is professional quality vector graphics software

DT

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:

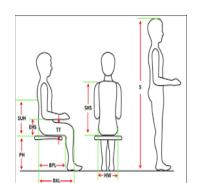
- The desk is the right height for typing and using a mouse.
- The screen is at eye level, so your neck doesn't get sore.
- The chair can be moved up or down to fit your height.
- Armrests and backrests help you sit properly.



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) Why Ergonomics? | Importance & Benefits of Ergonomic Workplace [LUMI] - YouTube

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, panelling

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
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.	Asia 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	A megacity is a city with more than ten million people, like Mumbai in India. Inside Mumbai is Dharavi, the largest squatter settlement in India. Squatter settlements—also called slums, favelas, or shanty towns—are areas where people live in poor-quality homes without proper water, toilets, or electricity. Dharavi is very crowded, with about one million people living in just one square mile. Even though life is hard, there's a strong sense of community. The government wants to move people out to build new developments, but many residents don't want to
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 land and the people who live there.	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. 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.	India is also connected to other countries through interdependence, meaning it works with and relies on others, especially through trade. Trade is when countries buy and sell goods and services. Exports are things a country sells to others, and imports are things it buys from other countries. If 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 Catholic Church a challenge to Henry VIII's Power?







The Pope is considered the spiritual leader of Catholics worldwide. He interprets religious doctrine, provides guidance, and ensures unity within the Church. He refused to give Henry VIII an annulment as he was worried about upsetting the King of Spain and the other Catholic leaders. Henry didn't like the fact that the Pope had more power than him over people in England and told them what to do. After all, Henry was king of England and not the Pope! Why should the Pope who lived in Rome in Italy have more power than Henry.

- The Pope faced challenges: He was about to step down as pope and lacked time. He was a prisoner of the Holy Roman Emperor, Charles V. A previous pope had clashed with Henry, making Clement hesitant to assist him. Essentially, this led to Henry VIII making himself **Supreme Head** of the new 'Church of England'.
- He rid himself of his old Catholic Archbishop, Wolsey, and appointed a new Protestant archbishop, Cranmer. He annulled his own marriage to Katherine and married Anne Boleyn By making himself Head of the new Church in England, people wouldn't pay their taxes to the Pope, instead they would pay their taxes to Henry. Henry would become rich. Henry could sell the land and buildings (monasteries) that the Roman Catholic Church owned in England and make a lot of money for himself.

Monasteries were Catholic places of worship and were often very big, rich places. Monks would live in monasteries and devote their lives to serving God. Monks had to give up their families and possessions when they went to live in monasteries so were individually very poor. However, they had food, healthcare, education and accommodation in the monasteries, so they were good places to live. They were highly decorated, impressive buildings with lots of expensive items and relics. The Catholic Church owned a quarter of all the land in England at that time. The Catholic Church took 10% of people's income at this time (tithe). Henry VIII wanted this wealth for himself as he had spent much of his wealth on costly wars.

Divorce: Ending a marriage **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.

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.

Economic: Relating to money. **Monastery:** A place where

monks live.

Tithe: A tax of 10% of income or production that the public pay the Church.

Dissolution: Destruction – getting rid of the monasteries.

Languages - French

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

*You use the verb 'to be' to form the perfect tense with these past participles. E.g. 'je suis arrived' in real English.

vord for word, but means 'l arrived' in real English.

Être verb	Past participle	Country	With	Who with?
Je suis	allé (e)			mon père
1	went	au Maroc		my dad
	· '			mon copain
	arrived			(male) friend
				ma mère
		to canada	With	my mum
we	went	en France		
	arrivá(a)s	to France		ma copine
	· · ·	en Espagne		(female) friend
	diritted	to Spain		ma famille
		en Italie		my family
		to Italy		my juniny
				mes parents
		to Greece		my parents
		aux États-Unis		
				mes copains my friends
		Je suis / allé (e) went arrivé (e) arrived Nous sommes allé(e)s	Je suis I allé (e) went au Maroc to Morocco au Portugal to Portugal au Canada Nous sommes we allé(e)s went en France to France to France en Espagne to Spain en Italie	Je suis I allé (e) went au Maroc to Morocco au Portugal to Portugal au Canada avec to Canada with en France to France to France en Espagne to Spain en Italie to Italy en Grèce to Greece aux États-Unis

When	Verb	Details	With	Who?
Normalement normally	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 mon copain (male) friend ma 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) friend ma famille my family mes parents my parents my parents my friends

Tu es allé(e) où en vacances? Avec qui? (verbs that use 'être' / perfect tense) Where did you go on holidays? With who? * You use the verb 'to be' to form the perfect tense with these past participles. E.g. 'je suis arrive' = '1 am arrived' word for word, but means '1 arrived' in real English.

Time phrase	Être verb	Past participle	Country	With	Who with?
	Je suis /	allé (e) went arrivé (e) arrived	au Maroc to Morocco au Portugal to Portugal au Canada	avec	mon père my dad mon copain (male) friend ma mère
L'année dernière Last year L'été dernier Last summer	Nous sommes we	allé(e)s went arrivé(e)s arrived	to Canada en France to France en Espagne to Spain en Italie to Italy en Grèce to Greece aux États-Unis to America	with	ma mere my mum ma copine (female) friend ma famille my family mes parents my parents my parents my priends

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 Last year L'été dernier Last summer	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

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

Time phrase	Avoir verb	Past participle	Activity	Conjunction / verb	Adjective																		
	j'ai /	joué played	au tennis tennis																				
		mangé	des glaces some ice-creams		génial great																		
		ate	mes / nos amis																				
		retrouvé met	my / our friends		amusant fun																		
Pendant les vacances	nous avons we	ous avons de la to so listened des	de la musique to some music	et c'était	marrant funny																		
During the holidays D'abord			des baskets some trainers	and it was																			
First of all					acheté bought	des clips vidéo some video clips		nice															
Ensuite Next						regardé watched nagé swam															dans la mer in the sea	1	
Après After								à la maison at home		ennuyeux boring													
Finalement Finally		traîné hung around			nul rubbish																		

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	et c'était	génial great amusant fun marrant Funny
Ensuite Next Après	nous avons we	lu read	un roman a novel / book	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 <i>rubbish</i>

German

opinion	noun	negative or intensifier	connective	adjective	verb
Ich mag <i>I like</i>	Deutsch German Englisch English Erdkunde geography	sehr very much		einfach easy faszinierend fascinating gut good	
Ich liebe	Französisch French		,weil es	interessant interesting	
I love	Geschichte history		because it	kreativ creative	ist.
	Informatik /T			lustig funny	is.
Ich hasse	Kochen food		,	nützlich <i>useful</i>	
I hate	Kunst art		although it	spannend exciting	
	Mathe <i>maths</i>			supercool cool	
Ich mag	Musik music			toll great	
auch	Naturwissenschaften			wichtig <i>important</i>	
l also like	science				
	Religion RE	nicht <i>not</i>		doof stupid	finde.
Ich mag	Spanisch Spanish	micht 7/0t	,weil ich es	furchtbar terrible	find
l like	Sport PE		because I	langweilig boring	(I think
TIKE	Theater drama	gar nicht <i>not at all</i>	it	nervig annoying	it's)
	Werken DT	gai illuli <i>liut at all</i>		nutzios useless	
		überhaupt nicht		schrecklich awful	
		absolutely not at		schwierig difficult	
		all		stinklangweilig <i>really boring</i>	

Was hast du am Montag?

	Was hast du	ı am Montag	?			
Time phrase	More specific time		Verb + subject	Object (school s	subject)	
Am Montag On Monday Am Dienstag On Tuesday Am Mittwoch On Wednesday Am Donnerstag On Thursday Am Freitag On Friday Am Samstag On Saturday Am Sonntag On Sunday Heute Today Morgen Tomorrow	in der ersten Stunde in der zweiten Stunde in der dritten Stunde in der vierten Stunde in der fünften Stunde in der sechsten Stunde in der letzten Stunde vor der Pause befor nach der Pause afte vor der Mittagspaus nach der Mittagspaus	le in the 2 nd is in the 3 rd is in the 4 th pe in the 6 th ide in the 6 th is in the lass the break in the lass the before lun	period period period period period t period	habe ich I have haben wir we have	Französis Geschicht Informatik Kochen for Kunst art Mathe ma Musik mun Naturwiss Religion f Spanisch Sport PE Theater d Werken D	English geography ch French te history k IT rood ths sic senschaften science RE Spanish
Wann When	hast du have you	(Mathe)?		acht (8)		fünfzehn
Um wieviel Uhr At what time	haben wir have we		Um At	zwölf (12)	Uhr	dreißig
				fünfzehn (15)		fünfundvierzig

Was isst du in der Schule?

			Connective			
Subject-Verb	Time phrase	Noun – food/drink	(Kicker)	Intensifier	Adjective	Verb
Ich esse	jeden Tag	Chips crisps	weil es	ziemlich	lecker	
I 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	
I 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					
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				

Wie sind die Lehrerinnen und Lehrer?

Pronoun/noun	verb	intensifier	adjective
Ich / Du you Der Lehrer The teacher (male) Die Lehrerin The teacher (female) Der Direktor The headteacher (male) Die Direktorin The headteacher (female) Er He Sie She Wir We Sie They Die Lehrer The teachers (male) Die Lehrerinnen The teachers (female)	bin am bist are ist is	zu too sehr very ziemlich quite ein bisschen a bit nicht not	alt old fair Lorrine freundlich friendly gemein mean jung young komisch weird kräftig strong launisch moody lustig funny nervig annoying pünktlich punctual schlau clever streng strict unfreundlich unfriendly unpünktlich unpunctual

Opinion phrase	verb	noun	adjective	
Meiner Meinung nach In my opinion	ist	der Deutschlehrer	freundlich fair	
Ich denke, dass		die Mathelehrerin	streng	
I think that		die Sportlehrerin		ist

Mandarin

我喜欢吃 来饭,因为 很好吃。 I like eating rice, because it's very tasty.

Subject	Verb 1	Verb 2	Object	because	adjective
我		艺 eat	面包,bread		很好吃。very tasty
<mark>爸爸 Dad</mark>			鸡蛋, egg		^{hen xiòng} 很香。very fragrant
妈妈 Mum			面条, noodle		R 甜。 very sweet
9 를 를 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이 이	ike 喜欢 like		米饭, cooked rice	yīn wéi 因为	
in display the state of the st			比萨饼, pizza	because	
younger brother ^{jiè} jiè 女 且女 且			水果,fruit		
older sister		喝 drink	水, water		视好喝。very tasty
妹妹 younger sister			茶, tea		<mark>視香。very fragrant</mark>
younger sister			果汁,fruit juice		视甜。 very sweet

 ${}^{\text{wo}}$ bu ${}^{\text{i}}$ huān chi ${}^{\text{mi}}$ fan ${}^{\text{mi}}$ win win bu ${}^{\text{ho}}$ chi ${}^{\text{i}}$ ${}^{\text{mi}}$ ${}^{\text{min}}$ ${}$

Subject	Negative	Verb 1	Verb 2	Object	because	adjective
我			它 eat	面包,bread		不好吃。not tasty
<mark>爸爸 Dad</mark>				鸡蛋, egg		不香。not fragrant
妈妈 Mum				面条,noodle		^{bù tián} 不甜。not sweet
<mark>哥哥</mark> older brother	不	喜欢 like		光饭, cooked rice	yin wéi 因为	
弟弟				比萨饼, pizza	because	
younger brother jié jié 女且女且				水果,fruit		
older sister			<mark>喝 drink</mark>	水, water		^{bù hòo hè} 不好喝。not tasty
妹妹				茶,tea		不香。not fragrant
younger sister				果汁, fruit juice		不甜。not sweet

wổ jiù xing qi yì chi mi fón 我家星期一吃<u>米饭</u>。My family on Monday eat <u>rice</u>.

who	family	Days of the week	eat	food	drink	drinks
我	家	型期一 Monday	党 eat	炒面,	喝 drink	水。 water
xião yuè 小月	family	星期二 Tuesday 星期三 Wednesday		fried noodles thoo fan		茶。 tea
Jamel peng you 朋友		星期四 Thursday		fried rice		zhōng guó chá 中国茶。
朋友		星期五 Friday 星期六 Saturday		蛋炒饭, egg fried rice		Chinese tea ying guó chó 英国茶
		星期日 Sunday		饺子, dumplings		English tea ^{guð} 과
		星期天 Sunday		包子,		fruit juice
				stuffed bun		咖啡。 coffee

wo men zòo fan chi miàn bòo hè niù nòi 我们<u>早饭</u>吃<u>面包</u>,喝<u>牛奶</u>。 We breakfast eat bread, drink milk.

who	mealtimes	eat	food	drink	drinks
我们	早饭	吃 eat	牛肉, beef	喝 drink	^{shuĭ} 火。 water
卷卷 Dad	breakfast 午饭		猪肉,pork		牛奶 milk
^{mà mà} Mum	lunch wăn fân		羊肉, lamb		zhōng guó chá 中国茶。
<mark>- 明</mark> - Older brother	晚饭 dinner		鸡肉, chicken		Chinese tea ying guó chó 英国茶
弟弟			鱼,fish		英国条 English tea
younger brother 姐姐			炒面,fried noodles		果汁。
older sister			din chio fin 蛋炒饭 ,		fruit juice
妹妹 younger sister			egg fried rice		go fei ヴロロト。 coffee

wo xiông chỉ mĩ fòn yín wới hên hòo chỉ 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>.

Subject	would like to	eat or drink	Object	because	adjective
我		r eat	炒菜,stir fried dish		很好吃。very tasty
<mark>爸爸 Dad</mark>			冰淇淋 ice cream		很香。very fragrant
妈妈 Mum			巧克力 chocolate		很甜。very sweet
9章 9章 司 older brother	xiǎng 想		米饭, cooked rice	yīn wéi 因为	
in display the state of the st	would like to; want to		比萨饼, pizza	because	
younger brother jiē jiē 女且女且			水果,fruit		
older sister		<mark>喝 drink</mark>	咖啡, coffee		很好喝。 very tasty
妹妹			<mark>茶,tea</mark>		^{hēn xiōng} 很香。very fragrant
younger sister			果汁,fruit juice		视甜。 very sweet

wo bu xiong chi mi ton yin wei bu hoo chi 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
我 Dad Mum S 哥 Older brother S younger brother	本	would like to; want to	亡 eat	m gibo ke ll Chocolat e ***	yin wei 因为	不好吃。not tasty 不香。not fragrant bù tión 不甜。not sweet
older sister 蛛妹 younger sister			^{hê} drink	咖啡, coffee 茶, tea 果汁, fruit juice		不好喝。not tasty **Total and tast

Spanish

VERB - ser PREP'	NOUN	CONNECTIVE	NOUN - location	PREP'	NOUN - c	ountry
(Yo) soy I am (Tú) eres You (singular) are (Él/ Ella) es He/she is (Nosotros) somos We are (Vosotros) sois You (plural) are (Ellos) son They are	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 north east el noroeste the north west el sureste the south east el suroeste the south west	de from/ of		Scotland Spain France Wales Greece

Mi amigo / Mi amiga My friend Mi coche My car Mi comida favorita My favourite food Mi fruta favorita My favourite fruit 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 Mis vaqueros My jeans	es is	de from	Alemania Escocia España Francia Gales Grecia Inglaterra Italia Polonia Portugal	Scotland Spain France Wales Greece

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

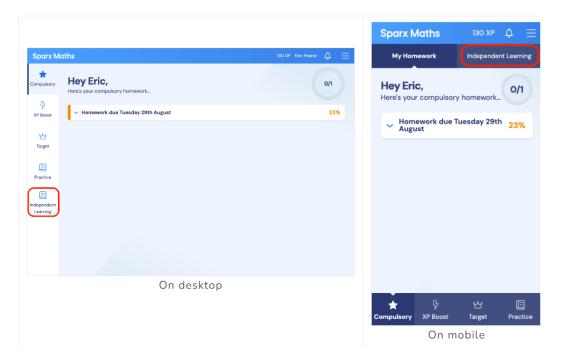
En mi casa hay In my house there are	siete habitaciones 7 rooms diez habitaciones 10 rooms tres dormitorios 3 bedrooms					
Mi casa tiene My house has Tenemos We have Afuera hay	un aseo a toilet un comedor a dining room un cuarto de baño a bathroom un despacho a study un garaje a garage un jardín a garden un pasillo a hall un salón a living room	antiguo old bonito beautiful cómodo comfortable feo ugly moderno modern nuevo new pequeño small raro weird antiguo old bonito old bonito velatíful cómodo comfortable augly modern acogedor cosy grande big				
Outside there is Abajo hay Downstairs there is Arriba hay Upstairs there is	una cocina a kitchen una terraza a terrace	antigua old bonita beautiful cómoda comfortable fea ugly moderna modern nueva new pequeña small rara weird				
Mi habitación favorita es My favourite room is	el salón the living room mi dormitorio my room la cocina the kitchen	'				

Maths

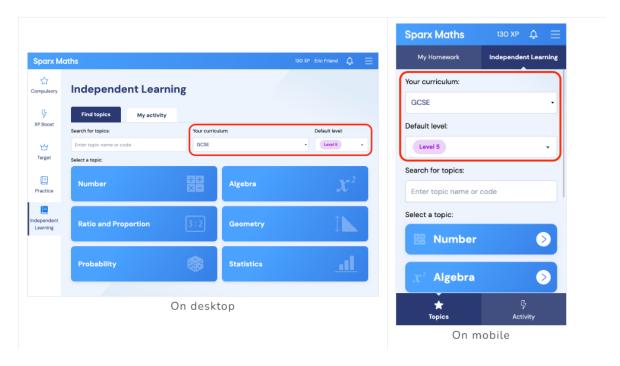
On a Monday, your Maths task will be set by your teacher. You should log on to Sparx Maths to complete this task. Your practice book has an area for your workings which you need to use as during the homework, Sparx Maths undertakes a bookwork check.

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.)



- 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:



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:



- 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
- Pulse a steady beat (think of the pulse in your body)
- 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)

TASKS:

Discover four of the traditional instruments from Africa, and historic methods of communication/performing (gumboot dancing)

To read drum rhythm tables to perform accurate polyrhythms

Create a piece of music with a call and response, improvisation 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.











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 be-
 - fore the beat
 - Djembe
 - Kora
 - Talking drum
 - Balafon



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



Autumn Term 1





- •Class A up to 7 years in prison and/or an unlimited fine.
- •Class B up to 5 years in prison and/or an unlimited fine. (Cannabis)
- •Class C up to 2 years in prison and/or an unlimited fine.



Relationships

What are the most important things a relationship needs?

- 1)
- 2)
- 3)
- 4)

Sexting
Follow the QR code
To watch what can
Happen if you send
Or receive sexts
https://www.youtube.
com/watch?v=MoRtLk
1xihY



Achieve . Belong . Participate

in wars around the world

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.

Science - Biology Cell structure recap:

All living organisms are made up of cells.

Week 1 - How can we view cells?

Animal Cell structure include these organelles:

- Nucleus
- Membrane
- Cytoplasm
- Ribosome
- Mitochondria

Plant cell structure include organelles above plus:

- Cell wall
- Chloroplast
- Vacuole

Function of the cell structures.

- Cytoplasm Chemical reactions occur here
- Nucleus Contains the genetic information. Controls the cells activity
- Cell membrane Controls what enters or leaves the cell
- Mitochondria Carry out respiration to release energy
- Chloroplast Photosynthesis occurs here.
- Vacuole Contain cell sap to keep cell swollen.
- Cell Wall Provides structure and support.

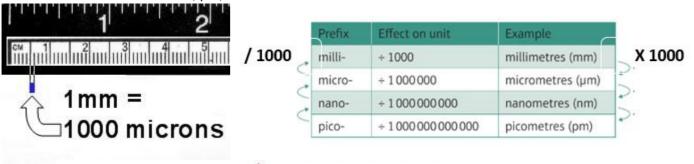
Magnification is the number of times larger an image appears than the original size

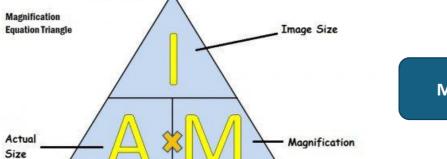
Resolution is the smallest distance between 2 points that can still be seen as 2 points.

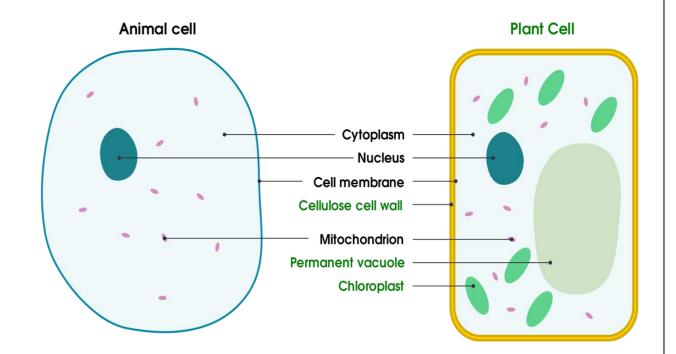
Light microscope vs electron microscope:

Electron microscopes are expensive but have higher resolution and magnification than a light microscope

Conversion between mm, µm, nm.









Electron microscope

Magnification = image size ÷ actual size

Week 2 - How does one Mitosis produces two genetically identical, diploid daughter cells. cell become many cells? Cell cycle and mitosis: **Diploid** means the cell Mitosis is a type of cell contains two copies of **Interphase** is the phase preparing for mitosis. DNA and organelles replicate. division needed for each chromosome. growth and repair. o **Prophase** – Nuclear membrane breaks down and DNA appears. o **Metaphase** – chromosomes line up along the middle of the cell. Spindle fibres attached. o Anaphase – chromosomes pulled apart by spindle fibres. o **Telophase & cytokinesis** – nuclear membrane reforms and cells split Maternal Paternal Interphase Prophase Metaphase Anaphase Telophase Week 3 - How does an Meiosis is a type of cell division that produces 4 genetically different daughter cells with half the normal amount of DNA (known as being haploid). embryo develop? • Fertilisation is the fusing of a sperm and egg cell nuclei to produce a zygote. Meiosis Parent cell • The zygote travels down the oviduct and attaches to the uterus wall. DNA replicates Meiosis produces Fertilisation gametes (sperm and egg cells in humans) Egg (Ovum) 23 Chromosomes 2 daughter Zygote 46 Chromosomes in 23 pairs Embryo 46 Chromosomes in 23 pairs 4 daughter 23 Chromosomes

Embryo development:

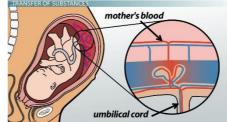
- o Before 8 weeks, it is known as the embryo
- o After 8 weeks it is known as the foetus.
- o Gestation period in humans is 40 weeks (9 months)

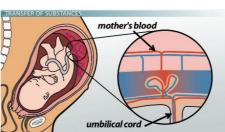
Role of placenta and umbilical cord:

- o A foetus collects nutrients, oxygen and water from a mother's blood using a placenta.
- o It travels to and from the placenta by the umbilical cord.
- o It lies in an amniotic sac full of fluid so it can move and has protection from injury.

Key stages:

- o 4 weeks Hearts beats.
- 8 weeks now called a foetus. Human features
- 3 months all body parts in place
- 5 months hair, nails, eyelashes
- 7 months brain very active
- 9 months fully developed.













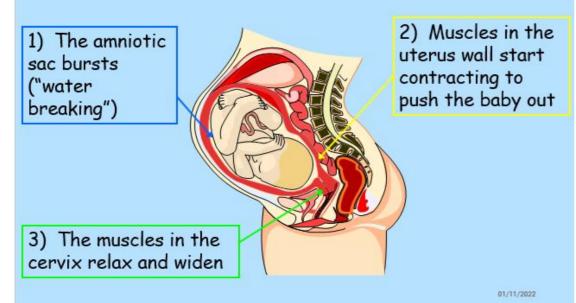








Week 4 - How is a baby Process of birth: born?



Infant nutrition:

- Up to the age of one, babies mainly rely on a mother's milk (can also be formula)
- Weening is from 6 months

different?

Week 5 - Why do we look Variation is differences in characteristics. Variation can be within species (e.g., how tall people are) or between species (e.g., how many limbs does a species of animal have).

• Characteristics can be inherited or environmental.



