Buckler's Mead Academy

Knowledge Organiser Year 10 Term 3—Spring 2023

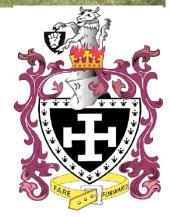
"In a time of turbulence and change, it is more true than ever that knowledge is power" John F Kennedy

Inspiring Education for All

Name:

Tutor:

Ready, Responsible, Respect



Your Knowledge Organiser

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How to Use Your Knowledge Organiser

Self –Quizzing

Your Knowledge Organiser contains all of the key information you need to know for each subject area.

Your Knowledge Organiser will allow you to revise this key information and make sure it is stored in your long-term memory The best way to use this resource is by selfquizzing.

"look, cover, write and check"

Look, Cover, <u>Write</u>, Check, Correct

First look through and read the information on a section of your knowledge organiser

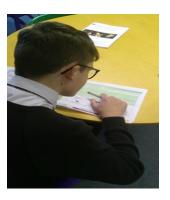




Then Cover the section so you can no longer see the information

Next Try and write out the key definitions or facts that you need to know





Now uncover the section of your Knowledge Organiser and check how correct you were

Finally Correct anything that you wrote down that was incorrect

Enjoymen

Forms
Vatural
Art – I

L

Natural Forms	A natural form is an object found in nature that has not been changed or altered. It is still in its natural state. For example,
	flowers, leaves, seedpods, bones, skeletons, feathers, birds, fish, animals etc.
Assessment	GCSE assessment objectives. Assessment objectives are part of the assessment arrangements for these qualifications
Objectives	
Texture	Texture means how something feels. There are two types of texture: actual texture and visual texture.
Form	F form refers to objects that are 3-Dimensional, or have length, width, and height
Pattern	A pattern is a design in which lines, shapes, forms or colours are repeated. The part that is repeated is called a motif
Contrast	Contrast often means "opposite": for example, black is the opposite of white, and so there's a contrast between black ink and
	white paper
Monochrome	Monochrome means one colour, so in relation to art, a monochrome artwork is one that includes only one colour
Print making	Printmaking is an artistic process based on the principle of transferring images from a material onto another surface, most
	often paper or fabric. Traditional printmaking techniques include woodcut, etching, engraving, and lithography
Charcoal	Charcoal is made from twigs of willow or vine that have been heated at a high temperature in an enclosed vessel without
	oxygen. This process yields a solid drawing stick that produces a black line when stroked across a sheet of paper
hk	Drawing inks are water-based media made from various plant and mineral colorants. Any given ink may vary in tone due to
	the purity and concentration of its ingredients and its degree of dilution. Historic drawing inks are commonly hues of brown,
	reddish brown, grey, and black
Pastels	The medium is available in a variety of forms, including loose powdered pastel and pastel pencils, but most often, pastel is
	applied directly with the colour stick. The broad side, when gently applied, produces areas of light tone revealing the texture
	of the paper, while more defined, saturated strokes may be achieved using the tip of the stick and applying it with greater
	pressure.

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Triangle	
Aperture Ape	Aperture is the opening through which light passes through the lens to enter the camera. Its size can be modified to control how
mu	much light reaches the sensor or negative film. The diameter of the aperture, also known as the F-stop, affects the exposure and
	depth of field.
Bokeh Bok	Bokeh is an optical phenomenon that makes bright out-of-focus elements aesthetically pleasing. Using a fast lens at its wider
aper	aperture turns a busy background into blurred colours
Composition	Composition is where elements are positioned within a photo. It is considered one of the most important components of an
	image, as it allows the photographer to guide the viewer's eye across the image towards the main subject
AV Setting	Aperture priority, often abbreviated A or Av (for aperture value) on a camera mode dial, is a setting on some cameras that
	allows the user to set a specific aperture value (f-number)
Zoom	Zoom lens are those whose focal length can be modified, allowing photographers to make the subject appear closer than it
	really is
Depth of Field Dep	Depth of field (DOF) is the distance between the nearest and the farthest objects that are in acceptably sharp focus in an image.
Shutterspeed Sh	Shutter speed is the length of time a camera sensor is exposed to light when taking a photo. Slow shutter speeds capture the
q	blur of subjects in motion, making it highly valuable for night and landscape photographers. On the other hand high speeds
	allow photographers to freeze a single millisecond in time, which is usually an absolute must in fields such as sport
TV Setting In	In TV mode the user specifies a shutter speed, while the camera adjusts the aperture size to correctly expose the image. This
Ē	mode is typically used to freeze high speed action with a fast shutter speed, or intentionally create some sense of movement
	and blur in an image, ie, by using a slow shutter speed.

Photography

Community

Ambition

Computing

Project Life Cycle Ir	Initiation, Planning, Execution, Evaluation
SMART Targets S	Specific, Measurable, Achievable, Relevant, Timed
Planning Tools	GANTT Charts, PERT (Project Evaluation and Review Technique), Critical Path, Flowcharts, Mind map.
Risk Mitigation	A strategy to prepare for and reduce the risk of threats.
Feasibility	How practical/realistic a project is.
Interaction/Iteration E	Each phase of the Project Life cycle interacts with the phases before and after.

Data	raw facts and figures before they have been processed.
Data types	Text, alphanumeric, integer, real, currency, percentage, fraction, decimal, date/time, limited choice, object, logical/Boolean.
Information	The end result of data being processed.
Data collection methods	questionnaires/surveys, email, sensors, interviews, consumer panels,
IT methods of data collection	Barcode readers, QR codes, web based surveys, wearable technology, and mobile technology.
Storage methods	The cloud (virtual), hard disk drive, solid state drive, optical, flash memory device (all physical).
Big data	Large amounts of data collected and processed.

Types of threats	Malware (adware, bot, virus, worm, spyware); Social engineering (phishing, pretexting, baiting); Hacking, DDOS (distributed denial of service)
Vulnerability	A weakness that allows a person to launch a cyber- security attack (environmental, physical, system).
Impacts of cyber- security attack	Identity theft, data destruction, data manipulation, data modification, data theft.
IT legislation	Data Protection 1998; Copyright, design and patents act 1988; Computer Misuse Act 1990; Freedom of information act 2000.
Primary data	data collected directly through surveys/questionnaires
Secondary data	Collected from secondary sources such as journals/magazines.

Processing data	Two main tools for this: spreadsheets and database software.
Spreadsheets	Formulas, functions, worksheets.
Databases	Tables, records, queries, validation.
Presenting data	Word processing, desktop publishing, PowerPoint presentation.
Considerations of presenting data	Target audience, content limitations, availability of information.
Distribution Channel	Messaging services, websites, and Multimedia Cloud and Mobile apps.
Presentation Methods/Resourc es	report, presentation, charts, tables, hardware, software, connectivity

Community

Year 10 Vitamins and Minerals

Vitamin Name	Major Functions	Deficiency Effects	Toxicity Effects	Food Sources	Mineral N
A Retinol, retinal, Retinoic acid, (Beta carotene)	Vision, immunity, reproduction and growth	Blindness, infections, stunted growth	Bone fractures, liver damage, birth defects	Fortified milk, eggs, liver (dark green leafy and yellow/orange vegetables)	Calcium
D Cholecalciferol	Bone growth and maintenance, absorption of calcium	Rickets, osteomalacia	Calcium imbalance	Sunlight, fortified milk, fatty fish, eggs, liver	Chromium
E Tocopherol	Antioxidant, protects cell membranes	Red blood cell breakage, nerve damage	Interferes with blood-clotting drugs	Vegetable and seed/ nut oils, seeds and nuts, wheat germ and whole grains	Fluoride
K Phylloquinone	Blood clotting, bone health	Hemorrhage	None reported	Dark leafy greens, cabbage family, liver	
	Energy metabolism	Berlberl, neurological problems	None reported	Whole and enriched grain products, leafy greens, pork	Iron
	Energy metabolism	Inflammation of the mouth, skin	None reported	Whole and enriched grain products, milk products	Magnesiun
	Energy metabolism	Pellagra	Niacin flush, liver damage, impaired glucose tolerance	Whole and enriched grain products, protein-rich foods	Phosphoru
B5 Pantothenic acid	Protein, fat and carbohydrate metabolism	Extremely rare	Mild intestinal distress	Almost all foods, especially avocadoes, broccoli, meats	
B6 Pyridoxine, pyridoxal, pyridoxamine	Protein and fat metabolism	Scaly dermatitis, anemia, convulsions	Nerve degeneration	Protein-rich foods	
	Protein, fat and carbohydrate metabolism; beneficial to hair, skin and nalis	Extremely rare	Unlikely	Egg yolk, liver, peanuts; also produced by gut bacteria	Selenium
B9 Folate, folic acid, folacin	Helps make DNA for new cells, activates B12	Anemia, birth defects	Masks a B12 deficiency	Fortified grain products, vegetables, legumes	Sodium
B12 Cobalamin	Helps make DNA for new cells, activates folate, protects nerve cells	Anemia, irreversible nerve damage and paralysis	None reported	Meat, fish, poultry, eggs, milk products	Zinc
C Ascorbic acid	Antioxidant, collagen synthesis, immune function	Scurvy	Diarrhea	Fruits and vegetables	

ineral Name	Major Functions	Deficiency Effects	Toxicity Effects	Food Sources
lcium	Makes up bone and teeth; muscle contraction/re- laxation; blood pressure; clotting: nerve function	Children - stunted growth Adults - bone loss (osteoporosis)	Diarrhea, interference with absorption of other minerals	Dairy, fish with bones, tofu, greens, legumes, fortified foods
romium	Helps insulin move glucose (sugar) from blood into cells	Abnormal glucose metabolism	Possible muscle degeneration	Meat whole grains, vegetable oils
Joride	Helps make bones and teeth stronger, helps teeth resist decay	Susceptibility to tooth decay	Fiuorosis, discolored teeth, nausea, chest pain	Fluoridated water, seafood, tea
dine	A component of thyroid hormone – helps regulate growth, development, metabolism	Gotter, cretinism	Low thyroid activity, enlarged thyroid	lodized salt, seafood, plants grown in iodine- rich soil
e	Part of hemaglobin – carries oxygen in blood, myoglobin carries oxygen in muscle	Anemia, weakness, head-aches, reduced immunity, low cold tolerance	Fatigue, infection, liver damage, colon cancer, bloody stools, fatal to kids	Red meats, fish, poultry, eggs, legumes, dried fruit
ignesium	Mineralization of bones and teeth, helps enzymes function, muscle contrac- tion, nerve transmission	Weakness, muscle twitches, confusion, convulsions, bizarre muscle movements	Confusion, lack of muscle coordination, death (all due to overuse of laxatives, antacids)	Nuts, legumes, whole grains, dark leafy greens, seafood, chocolate/ cocoa
osphorus	Bones and teeth; DNA; Phospholipids (part of cell membranes)	Weakness, bone pain (Deficiency rare – usually a side effect of medication)	Low blood calcium, increased calcium excretion	All animal tissues (meat fish, poultry, eggs, milk)
tassium	Maintains normal fluid and electrolyte balance, assists nerve impulse transmission and muscle contraction	Muscular weakness, paralysis, confusion (due to dehydration)	Muscular weakness, vomiting reflex	All whole foods, fruits, vegetables, grains, meat, milk
lenium	Antioxidant, works with vitamin E	Keshan disease, muscle pain/degeneration, cataracts, low sperm, fragile red blood cells, heart damage	Nail and hair brittleness and loss, nerve, muscle, liver damage, nausea	Seafoods, organ meats, other meats, grains, veg depending on soil content
dium	Maintains normal fluid and electrolyte balance, assists nerve impulse transmission, muscle contraction	Muscle cramps, mental apathy, loss of appetite	Edema, acute hypertension, increased calcium excretion	Table salt, soy sauce, MSGs, all processed foods.
24	Part of insulin, helps many enzymes function. DNA repair, taste perception, immune function, wound healing, sperm	Failure to grow (kids), dermatitis, loss of taste, poor healing, sex retardation	Fever, nausea, vomiting, dizziness, uncoordinated, anemia, heart disease	Protein-containing foods, some grains and vegetables

Keyword	Definition
Applique	The technique where one fabric is layered or applied on-top of another and secured in place by hand or machine stitching.
Batik	The application of hot wax onto cloth to create a pattern or design. When dye is applied the waxed area resists the colour. Once dry, successive applications of wax and dye can be applied in layers to create intricate patterns. The process can often be found on textiles from Indonesia and India.
Collograph	A method of direct printing in which materials such as string, cardboard, and other found materials are stuck to card or board to enable prints can be taken.
Couching	The process used to secure threads, fibres or yarns to a surface using hand stitching or embroidery.
Free-machining	Machine stitching where the foot has been removed and the fabric is moved in a variety of directions as stitching takes place. This technique is also known as scribble stitching.
Patchwork	A textile constructed by sewing together small pieces of fabric. The design is often in a geometric composition.
Resist techniques	The application of hot wax, gutta, salt or starch paste to a fabric to prevent the absorption of dye.
Screenprint	A technique of printing in which each coloured ink is squeezed through a stencil held on a mesh screen.
Stencil	A shape or image cut out of paper or card to create a space through which dye can be applied.

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What will I learn?	What will I learn? You will develop your understanding of the performing arts by examining practitioners' work and the processes used to create performance.	esses used to create performance.
What is a practitioner?	A practitioner is an individual or company who has a distinct style of performance, e.g. Brecht (Epic theatre), Stanislavski (Naturalism), Kneehigh, Frantic Assembly (Physical Theatre), 1927, Artaud (Theatre of Cruelty), Boal (Theatre of the Oppressed), Berkoff, Lecoq.	e), Stanislavski (Naturalism), Kneehigh, Frantic Assembly (Physical
How will I do this?		ey created the pieces, and what influenced them, stylistically elves, and explore how different roles within the companies are record of everything you are learning along the way.
What is expected of me?	It is vital that you keep an ongoing record, using your rehearsal logs, of everything we do in lessons, writing analytically (WWW/EBI) rather than just recounting the events of the lesson. You need to become critics as well as participants, showing an understanding of the processes behind the performance. You will have a number of assignments to submit both practical and online/written. You MIIST keep on ton of these assignments as they all count final grade.	g analytically (WWW/EBI) rather than just recounting the events es behind the performance. You will have a number of they all count towards your final grade
What is an Assignment Brief?		so contain all your deadlines for submitting work. It details all the
Key Vocabulary	Definitions & Explanations	Examples
Creative Intentions	What was the director/ writer/ creator thinking about? Themes / issues / response to stimulus / style/genre / contextual influences / collaboration with other practitioners / influences by other practitioners.	FUP – look at your creative intentions sheet – have you been able to complete all the boxes?
Purpose	Why was it made? to educate / to inform / to entertain to provoke/ to challenge viewpoints / to raise awareness / to celebrate	This is not a complete list – what other purposes can you think of?
Practitioners' roles, responsibilities and skills	Performance roles e.g., actor / dancer / singer/ puppeteer, etc & Non-performance roles e.g.: choreographer /set designer / director / writer etc. <i>Responsibilities: rehearsing /performing</i> /contributing to the creation and development of performance material, e.g., devising, designing, choreographing, directing, writing / refining performance material / managing self and others. Skills: physical, vocal and music skills, managing and directing skills, communication skills used to liaise, direct and perform, creative skills, such as designing set, costume, lighting or sound, writing scripts and composing songs, organisational skills used to put on a performance by a director or choreographer.	You will be expected to research several roles within the Performing Arts business, and explore how they work with each other to create a piece, e.g. How does the musical director of Kneehigh work with the director/ writer/ actors when creating a piece like FUP? Music is integral to the piece – look at how their creative process unfolds – it's all on the website. How do roles differ, depending on the company and the performance piece itself?
Processes used in development, rehearsal and performance	Responding to stimulus to generate ideas for performance material / exploring and developing ideas to develop material / discussion with performers / setting tasks for performers / sharing ideas and intentions / teaching material to performers / developing performance material / organising and running rehearsals / refining and adjusting material to make improvements / providing notes and feedback on improvements.	What does a good rehearsal look like? Can you use your rehearsal time productively? How do you do this? Do you assign roles? Do you keep track of decisions made? Are you asking other people to feedback their opinions?

Drama

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Success

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Language Paper One Knowledge Organise	Language	Paper	One	Knowledge	Organiser	
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Key Terminology & D	Definitions
Abstract Noun	An abstract noun is a concept, idea, belief or emotion. It is not tangible. (You
	cannot experience it with your five senses.)
Concrete Noun	A noun is a person, place or thing. A concrete noun is something tangible that
	you can experience with one of your five senses.
Proper Noun	A name or place. All proper nouns must begin with a capital letter.
Adjective	A describing word
Verb	An action or doing word
Nomenclature	The deliberate allocation of a name to a person or thing.
Simile	When something is described by saying it is similar to something else.
Metaphor	When something is described as being something else to highlight the similarities
Personification	When a human quality is given to an inanimate object
Semantic Field	A set of words grouped together that relate to a specific subject
Pronoun	Words that refer to the participants in a discourse (ex, I, you, he, she, they)
Adverb	A word that describes how a verb is being performed
Narrative	An account of events, a story
Description	An account of a person, object or event
Method	A procedure used to achieve something. We refer to writers' methods and their achieve- ments.
Genre	A style/category of art (including literature)
Reader Response	How the reader feels, what they understand or have learned after reading a text
Archetype	A stereotypical example of something
Dialogue	Written speech by characters
Mood/Tone/ Atmosphere	The feeling that a text carries or creates in a reader
Symbol	Something that stands for or represents an abstract concept
Flashback/ flashfor-	A jump back or forward in time
ward	
Cyclical structure	When a story ends where it began, usually to emphasise whether anything has changed or not
Shift	When the writer changes your attention and focusses it on something else
Linear	The story starts at a certain time and moves forwards logically.
Non Linear	The story jumps through time regularly, or there is no concept of time



Community

	Adaptations to the desert	
Most of the world's hot deserts are found	Cactus	semi-arid areas into deserts.
in the subtropics between 20 degrees and	 Large roots to absorb water soon after rainfall. 	Causes:
30 degrees north & south of the Equator.	 Needles instead of leaves to reduce surface 	Fuel Wood
The Tropics of Cancer and Capricorn run	area and therefore transpiration.	People rely on wood for fuel. This
through most of the world's major deserts.	Camels	removal of trees causes the soil to be
	 Hump for storing fat (NOT water). 	exposed. Overgrazing
Major characteristics of not deserts	 Wide feet for walking on sand. 	Too many animals mean plants are
Andity – hot deserts are extremely dry,	 Long eyelashes to protect from sand. 	eaten faster than they can grow back.
With annual raintain below 200 mm. Heat – hot deserts rise over 40 degrees.	Year 10- Topic 3- Hot Deserts	Causing soil erosion. Over-Cultivation
Landscapes – Some places have dunes, but	Opportunities and Challenges in the Hot	If crops are grown in the same areas
позывле госку with тоглу ризпез.	desert	too often, nutrients in the soil will be
filmata of Hat Danata	Opportunities	used up causing soil erosion.
	 There are valuable minerals for industries 	Population Growth
very little raintali with less than 200 mm per	and construction.	Puts pressure on the land leading to
year. It minht only rain once eveny two to three	•Energy resources such as coal and oil can be	more deforestation, overgrazing and
rt inight only rain once every two to three vears.	found in the Thar Desert.	over-cultivation.
	 Great opportunities for renewable energy 	
l emperate are not in the day (45°C) but are cold at night due to little cloud cover (5°C).	such as solar power at Bhaleri.	Ways to reduce desertification
In winter deserts can sometimes receive	 Thar desert has attracted tourists, especially 	Water management - growing crops
occasional frost and snow.	during festivals.	that do not need much water.
	Challenges	Tree Planting - trees can act as
A climate graph for the Sahara Desert al	 The extreme heat makes it difficult to work 	windbreakers to protect the soil from
*	outside for very long.	wind and soil erosion. Great Green
	 High evaporation rates from irrigation canals 	Wall
R 1	and farmland.	Soil Management - leaving areas of
S 3 S 3 S 3 S 3 S 3 S 3 S 3 S 3 S 3 S 3	 Water supplies are limited, creating 	land to rest and recover lost nutrients.
***	problems for the increasing number of people	Technology – using less expensive,
9	moving into area.	sustainable materials for people to
	 Access through the desert is tricky as roads 	maintain.
	are difficult to build and maintain.	
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Community

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Kev Term	Definition
Democrat	One of the two leading political parties of the USA. Kennedy, Johnson and Truman were members of the Democratic Party. It is often
	seen as more liberal.
Republican	One of the two leading political parties of the USA. Nixon and Eisenhower were members of the Republican Party. It is often seen as
	more conservative.
Khmer Rouge	A communist organisation based in Cambodia. The Khmer Rouge became popular following the US bombing under Nixon
Pathet Lao	A communist organisation based in Laos. The Pathet Lao's popularity increased following the US bombing under Nixon
Mai Lai Massacre	A massacre involving the mass murder of innocent Vietnamese people by Charlie Company of the US army carried out on March 16
	1968. This led to opposition to the war growing.
Tet Offensive	A coordinated attack by the Vietcong on strategic locations in South Vietnam. Though the Tet offensive was a failure for the Vietcong
	it did build opposition to the war in the USA.
Walter	A leading news presenter for CBS news. He would report daily on events of the war and voice his opinion on the failings of the US
Kronkite	army
'Five o'clock	A nickname for the daily briefings by the US army on the progress of the war. It was called a 'Folly' as it was suspected much was
Follies'	untrue.
Ho Chi Minh Trail	A supply route going from North Vietnam to South Vietnam journeying through Cambodia and Laos.
Vietnamisation	A policy started by Richard Nixon to withdraw US troops from Vietnam. The plan was for the South Vietnam army to take over the
	fighting of the war in place of the USA.
Vietcong	The communist guerrilla movement in Vietnam which fought the South Vietnamese forces and the US army between 1954 and 1975
	with the support of the North Vietnamese army
Communist	Political ideology which promotes the common ownership of industry and production with no private owners

Community

In Maths you will receive a separate knowledge organiser. Your knowledge organiser will help you to: Know which MET* skills you should be learning Track when you have learnt, revisited and revised a skill Identify any gaps where you have missed lessons Guide your revision when it comes to assessments *The MET (Mathematics Expertise Tower) shows you all the skills you will master during your lessons and how each skill builds upon the last.

It is arranged into 4 topic areas:

a S S S S S S S S S S S S S S S S S S S	Algebra & Graphs	Geometry & Measure	Probability & Statistics
an see the	he full MET in th	the Maths Cori	ridori

Maths Equipment you must have every lesson:

Pen, pencil, rubber, ruler, prortactor,

compasses, scientific calculator

USEFUL WEBSITES:

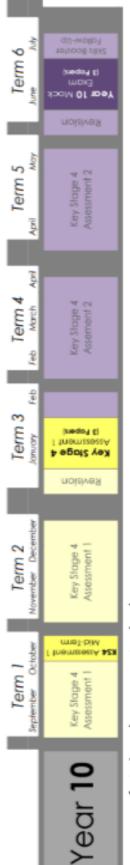


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www.bbc.co.uk/bitesize www.khanacademy.org https://corbettmaths.com



Programme of study and assessment calendar

	active	physical activity	alcohol		instead of	at least	organic	early	(e) cigarette	drug	hard	balanced	easy	fastfood	tiring	fresh	fruit	fitness	fat	gym	drunk	vegetable	illness	food	obesity	packet of	passive	routine	diet	meal	healthy	(good) health	sporty	stress	sugar	addiction to smoking	early	yoga	
Vocabulary	Actif/ive	L'activité physique	L'alcool	Allergique	Au lieu de	Au moins	Bio	De bonne heure	La cigarette (électronique)	La drogue	Dur	Equilibré	Facile	Le fastfood	Fatigant	Frais/fraiche	Le fruit	La forme	Gras	Le gymnase	lvre	Le légume	La maladie	La nourriture	L'obésité	Le paquet de	Passif/ive	La routine	Le régime	Le repas	Sain	La (bonne) santé	Sportif/ive	Le stress	Sucre	Le tabagisme	Tôt	Le yoga	

Time references	8	Illnesses	
Chaque jour	every day	J'ai mal aulà la/ aux	l've hurt my
Déjà	already	Bras	arm
De temps en temps	from time to time	Dos	back
		Genou	knee
Normalement	normally	Jambe	lea
Quelquefois/parfois	sometimes	Main	hand
Rarement	rarely	Diad	frot
Régulièrement	regularly	Tête	head
Touioure	aharave	Vantra	ctomach
cinninni	cépuid	ACIINE	SKULIGOL
Le weekend dernier last week	last week	J'ai la grippe	I have flu
Le mois prochain	next month	J'ai de la fièvre	I have a temperature
Une fois par semaine once a week	once a week	J'ai mal au cœur	I feel sick
Souvent	often	Je suis enrhumé	I have a cold
Tous les jours	very day	Je me suis cassé le bra:	Je me suis cassé le bras I have broken my arm
		c	

יי									anb	
	Using negatives is one way to show variety in your sentences. Remember how it fits around a verb.	E.g. je ne suis pas sportif. Je ne joue plus de hockey	never	nothing	not only	not	nobody	no longer	If you use a negative and a noun follows replace the article (e.g. <i>le/une</i>) with "de". Except when using "neque"	
Negatives	Using negatives is o sentences. Rememb	E.g. je ne suis pas sp	Ne jamais	Nerien	Ne.que	Nepas	Nepersonne	Neplus	If you use a negative article (e.g. le/une) v	

Negatives	
Using negatives i sentences. Reme	Using negatives is one way to show variety in your sentences. Remember how it fits around a verb.
E.g. je ne suis pas	E.g. je ne suis pas sportif. Je ne joue plus de hockey
Ne. jamais	never
Ne.rien	nothing
Neque	not only
Nepas	not
Nepersonne	nobody
Neplus	no longer
lf you use a negat article (e.g. le/une	If you use a negative and a noun follows replace th article (e.g. le/une) with "de". Except when using "n

و [2	to go on foot	to go by bike	to stop	to feel like	to drink	to sleep	to encourage	to train	to avoid	to be addicted to	to be allergic to	to exercise	to do weight training	to do sport	to smoke	to keep in shape/fit	to eat	to lead	to think	to take	to risk	to have fun	to go to bed	to relax	to take drugs	to get drunk	to get up	to go for a walk	to relax	to rest	to find
Useful verbs	Aller à pied	Aller à vélo	Arrêter	Avoir envie de	Boire	Dormir	Encourager	S'entrainer	Éviter	Être accro à	Être allergique à	Faire de l'exercice	Faire de la musculation	Faire du sport	Fumer	Garder la forme	Manger	Mener	Penser	Prendre	Risquer	S'amuser	Se coucher	Se détendre	Se droguer	S'enivrer	Se lever	Se promener	Se relaxer	Se reposer	Trouver

MFL - French

Ambition

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Useful verbs to 💞 talk about sport	wandern to walk	tanzen to dance	laufen to run		klettern to climb	spielen to play	gewinnen to win	machen to do	ins Fitnesszentrum to go to sehen	oin Tor to crove	5	togo	reiten horse riding	Rad fahren to cycle	schwimmen to swim	teilnehmen to take part	eislaufen to skate	verlieren to lose	
				ken		nken		Saying how often you do	oft often	manchmal sometimes	töglich daily	nie never	immer always	regalmäßig regularly	ab und zu now and then	jeden Tag every day selten rarelv	al pro Woche	jede Woche every week	
und bin, weil	bsten	ch treibe lieber Sport, weil		abe ich gespielt / gegessen / getrun	issen, um fit zu bleiben	isund bin, könnte ich mehr Wasser tri			der Stress stress	der lack of Roundmannen avarited			das Risiko the rlsk	Bioprodukte organic products	die Sucht addlction	Kopfschmerzen/ headache/ Halsschmerzen sore throat	Fieber haben to have a temperature	die Krankheit Illness	
Hast du einen gesunden Lebensstil? Ich glaube, dass ich (nicht) sehr gesund bin, weil Was machst du, um fit zu bleiben? Ich treibe oft Sport, zum Beispiel	Welche Aktivitäten machst du gern? Ich spiele gern / Ich spiele am liebsten	Was machst du lieber - Sport treiben oder Sportsendungen sehen? Ich treibe lieber Sport, weil	leinung nach ist Rauchen , weil	Was hast du letzte Woche gemacht, um fit zu bleiben? Letzte Woche habe ich gespielt / gegessen / getrunken	Was wirst du morgen essen, um gesund zu sein? Morgen werde ich essen, um fit zu bleiben	Wie könntest du deine Gesundheit verbessern? Obwohl ich ziemlich gesund bin, könnte ich mehr Wasser trinken		Health vocabulary	die Beratung advlce	eine ausgewogene a balanced	te Drođen	menumentation of the drugs	körperlich physical	die Zigarette clgarette	die Gesundheit health	die Bewegung exercise	der Alkoholmissbrauch abuse	ungesunde Ernährung dlet	
Hast du einen gesunden Lebensstil? <i>Ich glaube, dass ich (nicht) sehr §</i> Was machst du, um fit zu bleiben? <i>Ich treibe of</i> t Sport, zum Beispiel	Welche Aktivitäten machst du ger	Was machst du lieber - Sport treil	Wie findest du Rauchen? Meiner Meinung nach ist Rauchen , weil	Was hast du letzte Woche gemach	Was wirst du morgen essen, um g	Wie könntest du deine Gesundhei		Useful verbs to talk	about nealth	ins Bett gehen to go to bed	trinken to drink	essen to eat	schlafen to sleep	Drogen nehmen to take drugs			verietzen to injure schaden harm	sich entspannen to relax	

Talking about health and fitness in the past, present and future

Future	Morgen/nächste Woche/ nächstes Jahr	Ich werde spielen Ich werde essen Ich werde gehen Ich werde gehen
Present	Heute/jetzt/jeden Tag/normalerweise	Ich spiele Ich esse Ich trinke Ich gehe
Past	Gestern/letzte Woche/letztes Jahr	Ich habe gespielt Ich habe gegessen Ich habe getrunken Ich bin gegangen

Als ich jünger war, war ich nicht sehr aktiv - When I was younger, I wasn't very active.

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Sport ist sehr wichtig für deine Gesundheit - Sport is very important for your health.

Eine ausgewogene Ernährung ist sehr wichtig - A balanced diet is very important.

or salt.

Man sollte nicht zu viel Zucker oder Salz essen - You shouldn't eat too much sugar

Enjoyment

Ambition

MFL - German

	Management and Promotion roles
1. Artistic manager/ Talent	Organise and confirm show dates and tours, assist with studio planning and work with recording companies and negotiate fees.
Wanager	Seek out marketing opportunities and support artist on a personal level with life choices
2. Venue manager	Book artists for performances, help arrange events, organise security and manage publicity, ensure all services are available during schedules times, and ensure health and safety of artists, audience and staff.
3. Studio manager	Book recording sessions, hire engineers, session musicians and technical support, make sure the studio is in good working order.
	Publicise and promote their studio. Employ session musicians Promote and market studio
4. Promoter	Publicise concerts through advertising, work with venues and artists' agents to put on the show, and manage financial risk, insurance and safety.
5. Marketer	Get prices for advertisements and promotions, help to create the artist's image and brand.
	Organise promotional events, giveaways and sponsorship. Design and implement marketing plans for new releases Create radio/social media campaigns Create the artist's brand
6. A&R (Artists	Scout for new talent to sign to a record label and manage the recording process.
and Repertoire)	Help find songs appropriate for the artist. Development of artist as they grow and mature Help find appropriate songs for the artist
	Creative Roles
7. Musician	Instrumentalist, vocalist, accompanist, DJ.
	Practise regularly to keep skills to a high standard, perform, audition, attend rehearsals, market and promote their work, learn new repertoire
8.	Write, arrange, and orchestrate music.
Composer/Songwr iter/ Producer	Respond to briefs, pitch ideas to clients, produce scores and parts, and market and promote their work, and sequence (use technology to create) music and give creative and artistic direction

Music

Community

"Inspiring Education for All"

B	BTEC SPORT UNIT	JNIT 2 (COURSEWORK) - KNOWLEDGE ORGANISER	<i>IGANISER</i>	
		PRACTICAL PERFORMANCE IN SPORT		
RULES/LAWS		Rules and laws of a sport regulated by the national or international governing body for the sport. For e.g. Football Association (FA) or FIFA.	erning body for the sport. For e.g. Foott	tball
APPLICATION OF THE RULES/LAWS	S/LAWS	When a goal is scored when a player is in an offside position in football or a forward pass in rugby, the official will apply a consequence according to the rules/laws of the sport.	or a forward pass in rugby, the official	ıl will
REGULATIONS		Laws relating to players, equipment, playing surface, facilities, health and safety, time, officials (referee, umpire, judge, starter, timekeeper).	nd safety, time, officials (referee, umpi	pire,
SCORING SYSTEMS		The method of scoring goals or points, method and/or requirements of victory.	victory.	
ROLES OF THE OFFICIAL		The roles of umpires, referees, referees' assistants, judges, timekeeper, starters, table officials, third umpire, fourth official.	er, starters, table officials, third umpire	re, fourth
RESPONSIBILITIES OF THE OFFICIALS	e officials	The appearance, equipment, fitness, qualifications, interpretation and application of rules, control of players, accountability to spectators, health and safety (equipment, facilities, players), fair play, use of technology, effective communication (voice, whistle, signals).	pplication of rules, control of players, layers), fair play, use of technology, eff	fective
TECHNICAL DEMANDS		These are the skills and techniques required to meet the demands of the sport.	ne sport,	
TACTICAL DEMANDS		Decision making and strategies (attacking/defensive) to overcome an opponent, including using personal strengths.	oponent, including using personal strengt	gths.
SAFETY		Controlled environments that adhere to 'rules', health and safety guidelines, and consider appropriate risk management strategies in physical activity and sport.	lines, and consider appropriate risk man	nagement
ISOLATED PRACTICES		Skills and techniques demonstrated independently without any pressure or external forces, completed successfully and without fault.	e or external forces, completed success	sfully and
CONDITIONED GAMES		Small-sided games with a condition set for e.g. a limited number of touches, a set number of defenders or attackers.	ches, a set number of defenders or atta	ackers.
COMPETITIVE PRACTICES		Full-sided games. Appropriate opposition with match officials.		
BODY COMPOSITION		Ratio of fat mass to fat free mass. Percentage of fat, bone and muscle in bod	in bod	
SPEED		Distance divided by the time taken		
AEROBIC ENDURANCE		Cardiorespiratory system working for long periods of time supplying oxygen and nutrients to working muscles.	ygen and nutrients to working muscles.	
MUSCULAR ENDURANCE		Muscle is able to contract over period time against a light to moderate resistance.	resistance,	
Opportunity	"Inspiri	"Inspiring Education for All"	Success	tion

PE

Community

Biology Cells

ANIMAL CELLS



- Move the stage to its lowest position.
 Place the object on the stage.
- Select the objective lens with the lowest magnification. m
- Look through the eye-piece and turn the coarse-focus knob slowly until you see the object. 4
 - Turn the fine-focus knob until the object comes into focus. ഗ

Science

- magnification object lens to see the Repeat steps 1-5 with a higher ம்
 - object in greater detail

TOTAL MAGNIFICATION

Eyepiecelens objective lens magnification ^X magnification ı

UNI-CELLULAR AMOEBA

- Found in fresh water, salt water, wet soil, and Has no fixed shape
- They move by changing the shape of their body. even inside animals!
 - surround the tiny particles of food and form a They eat algae, bacteria and plant cells. They
- They reproduce by binary fission (splits into two food vacuole (engulf). The vacuole digests the food.
- cells)
 - 3



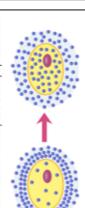
They reproduce by binary fission.

"Inspiring Education for All"

components; cell wall, vacuole and chloroplasts. PLANT CELLS; Plant cells have three extra 0000000 • 0 0

If a plant does not have enough water, the vacuole shrinks. The cells become floppy and the plant wilts concentration until they are evenly spread out. area of high concentration to an area of low DIFFUSION: Movement of particles from an

collin



with no water

cell from a leaf with enough wate

DIFFUSION IN PLANTS

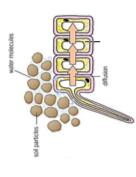
concentration). Water travels from root hair Water molecules diffuse from the soil (high concentration) into the root hair cells (low cells to other cells by diffusion. Nerve cell (neurone) -> long and thin with

connections at the end (to join to other

nerve cells)

SPECIALISED CELLS; These cells have

specific structural adaptations.



red pigment which joins to oxygen. Disk-

shaped with no nucleus to increase its

surface area.

UNI-CELLULAR EUGLENA Found in fresh water.

- They contain chloroplasts (photosynthesis).
- They have an eye spot which detects light and a
 - flagellum. The tail-like structure spins like a
- propeller, causing it to move towards the light
 - (maximises amount of food it makes).
- When there isn't enough light, it eats micro-
- organisms (bacteria and algae) by surrounding and
- engulfing them)

mitochondria (movement towards the egg).

Sperm → Have a long tail and lots of



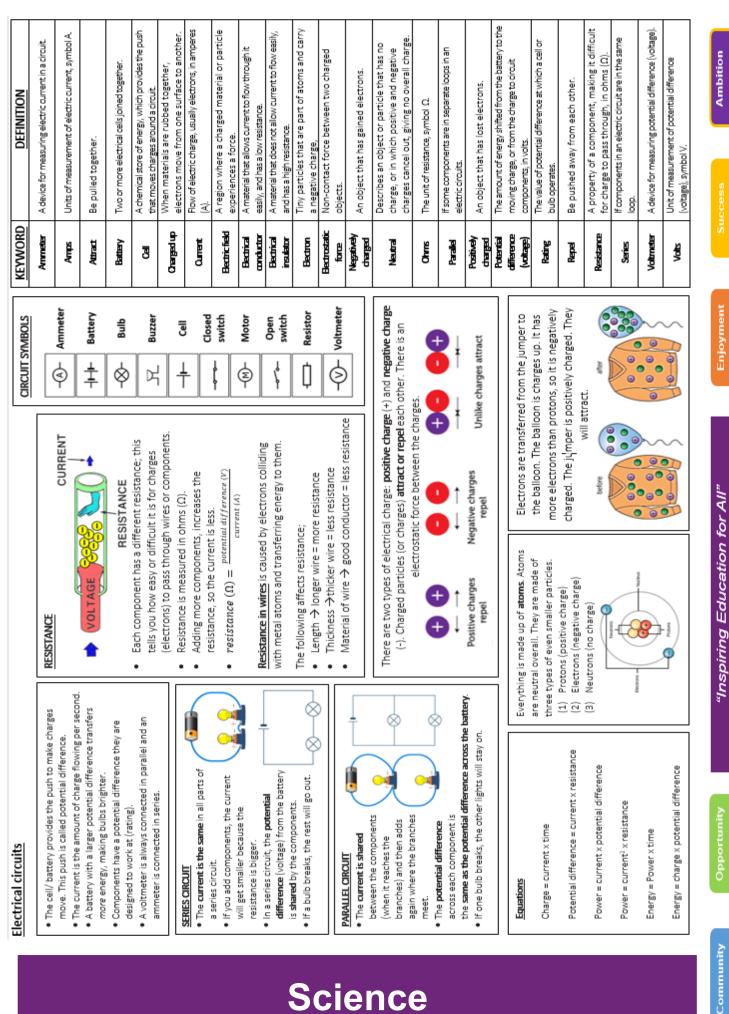
from the soil. surface Root ha

 streamlined 	air cell → root hair creates a large	area to absorb water and nutrients	

KEYWURD	DEFINITION
Amoeba	A uni-cellular organism.
8	The cell component that surrounds the cell
membrane	and controls movement of substances in and out.
	The cell component that surrounds the cell
Calva	and strengthens it. In plant cells it is made of cellulose.
	The clarit cell commonant that alcords light so
Chloroplasts	the plant can make food by photosynthesis.
	A measure of the number of particles in a
Concentration	given volume.
Cytoolasm	Jelly-like substance (in cells) where most
	chemical processes happen.
	The process by which particles in liquids or
Diffusion	gases spread out through random movement from a region where there are many particles
	to one where there are fewer.
Endona	Uni-cellular organism that performs
apôn	photosynthesis.
Raeelum	A tail-like structure that allows euglenas to
	move.
leaf cels	The plant cells that contain chloroplasts,
	where photosynthesis takes place.
Microscope	An optical instrument used to magnify objects so small details rao ha seen cleach:
	oujeus, su an an occars can be seen treany. Dati affika call whore di unica is hinken davia
Merchander	divident to the contract of second region of the second seco
	oung me process or respiratory, enacting anarov transfar
	enrengy uranaren.
Nerve cells	An animal cell that transmits electrical
	Impulses around the body.
	The cell component that contains genetic
Nucleus	material (UNIA), which controls the cells activities.
Observation	Information gathered by your senses.
Red blond relk	An animal cell that transports oxygen around
	the body.
	A chemical reaction where tood and oxygen
Nespiration	are converted into water and carbon dioxide,
	enaoling energy transrer.
Specialised	A cell whose shape and structure enable it to
閣	perform a particular function.
Spermoells	Male sex cell containing male genetic
	Information.
Shutura	Special features to help a cell carry out its 6 motion
l Ini-celluter	iumuum. Tiuma thinas mada un of one call
	The real mononeant that contains for ind (rel
Vacuole	sap), and can be used by plants to keep the
	cell rigid (firm) and store substances.

Community

Enjoyment



Science