

Monday 3rd June	Week A
Monday 10th June	Week B
Monday 17th June	Week A
Monday 24th June	Week B
Monday 1st July	Week A
Monday 8th July	Week B

Please note: Maths homework will be on an online platform for this term. It will be set and checked weekly separately from the timetable.

Knowledge Organisers 2023-24 Year 9 – Term 6

Complete your homework on the night stated e.g. if it is a Monday Week A you will complete ICT/DT

	Week A	Week B
Monday	ICT/DT	MFL
Tuesday	English	English
Wednesday	Science	Science
Thursday	History	Geography
Friday	RS	Music/Art

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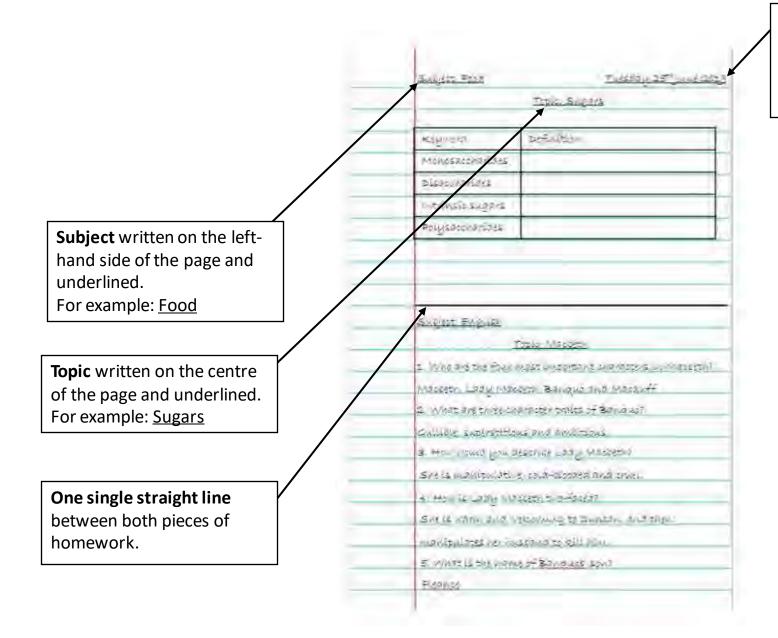
Textiles.....Pg 36

This Knowledge Organiser is to help you see the key information for each subject for this term. You can use this to help you both with homework and with revision, supporting your learning at home. In the table below you will find the instructions for each subject to be completed on the correct day.

Subject	Tasks
Maths	Homework question tasks/sets will be set weekly on an online platform. You will have one
	week to complete this online, before it is checked for competition and the next set is published.
Science	For term 1 this will be directed by your classroom teacher. It could involve an online platform
	too.
English	Using the separate question booklet, divide your homework book page in half length ways,
	write the questions out on the left hand side. First, attempt to answer the questions from
	memory/your own knowledge. Then use your knowledge organiser booklets to check your
	answers and fill in the missing ones.
MFL	Find the correct date in the KO and the question booklet. With the list of 10 key words for that
	week, complete the look – say - cover – write – check method in your homework
	book. Complete this process for each word/phrase 4 times each.
Geog/Hist/RS	Same process as outlined for English above. DT have 5 questions and not 10.
/DT	
ICT	For term 1, continue to use the KO to do revision/key words etc in your homework books.
Music/Art	For music and art, you will have two practical tasks to complete each term for each
	subject. These will be found in the question booklets and will be checked by you classroom
	teacher.

At the back of this booklet, you will find: Sentence starters, a history chronology, DT sentence starters, a periodic table, maps of the world, subject websites, a RAG sheet and a timetable.

How to present your homework:



Date written fully on the righthand side of the page and underlined. This should be the day you complete the homework.

Home Learning Strategies to help you revise

Brain Dump



Write down everything you know about o certain topic on a page. Use your KO to add extra notes in a different colour.

Mind Map



Condense a topic showing the important links and connectors between key parts. Use your KO to add in extra notes.

Diagram



Draw a clear diagram for a subject including labels and key features. Make sure you use correct vocabulary and spellings.

Vocabulary



Learn the key words associated with a topic and commit the word and spelling to memory. Test yourself or ask someone else to test you.

Retrieval Quiz



Write key questions about a topic as well as the answers. Use the content of the KO to help you. Check to see if you can remember the answers without looking.

Compare



Complete a comparison table showing two different sides of a topic. Can you use it to create an argument for one viewpoint?

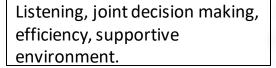
YEAR 9 K.O Skatehoar

Design Project

THE DESIGN BRIEF

Work in pairs to design and create a skateboard inspired by your chosen street artist.

- 1. Study your chosen artist.
- 2. Artist copy/response.
- 3. Create at least two designs.
- 4. Create and present final







Street art is related to graffiti art in that it is created in public locations and is usually unsanctioned (sometimes created without permission, but it covers a wider range of media.















https://www.youtube.com/watch? v=2p- wBu GYk

กรรุง / แมน ของ (จากสารจะที่สารคระบบระบบระบบระทานิกรรณ (บาว) ๆ เป็นทำกับสมบัติสารศาสตร์ อ. 596725 (17565 1867)77/พฤษาภาพยนายการและประชา วิติราที่สารปายในมะ "บาทสารที่สารครั้งใช้สาร (1778) การทำกับสารครั้งใหญ่

Spray painted gradient-blended colours.







My Dog Sighs
https://www.voutube.com/waturi
v=lxv52foxiki



PROGRAMMING TECHNIQUES

DATA TYPES

Type	Definition	
String	Sent mg: "Hello"	
Integer.	Whole number ngt 52	
Flost/Real	Detimal number eg: 1.1	
Boolean	Two values eg: true or false	
Character	A single character sg: 5	

Casting Is when you want to change letween data types. Fg - if you want to use an integer in a sentence you would mant to convent it to a string

VARIABLES AND CONSTANTS

Wariable - A value which may though while the program is murming. Variables nam be local or global.

iocal Variable - a variable emith am only be used within the structure they are declared in

Wildel Variable - I variable which can be used in any part of the code after they are declared

forestert - A value which connect be altered as the program is running.

OFFRATORS

Operator/Function	Definition
Espansont Let Lo-	Raises a number to a power og: 2773 08 3 13 (+27)
Quartient/DTV	Sines the whole number after a division
Aema (maer/HOD)	Sives the remainder part of a division
	Is manual to
fram on	is not equal to
4	Es Jass Phon
2	Is more than
50	In more than or equal to
100	In less than he equal in

FILE HANDLING

Myfile-openRead["myfile.text"]	Opens the file in read mode
Myfile-openwrite("myfile.te=1")	Upons the file in write mode
Myfile, writerine ("Neila")	writes a line to the file
linelengfile.read.ine()	Reads one line of the File
Myfile.close()	Closes the File
endOfFile(1	Used to determined the god of a fill

PROGRAMMING CONSTRUCTS



Bethlion

A Sequence is when there are programming steps that are carried out one after another.

Solection is wown there are different paths in your code eg: IF, ELIF, ELSE

Teration is when there is repetition (loops) in code.

It is could be a white loop (do conething white a condition is et) or a fOR loop (do something for a set when his times)

This count-controlled loop would print "Malla World" B times :

for 100 to 7
print ("Mello")
mext 1

These condition controlled loops would check IF a password's correct:

while answer !- "letmoiniss" answer-input("Inter password") endenile

do

antwer=insut("Ent= passe="d")

doti/ answer=="letrein173"

STRING MANIPULATION

The characters in a string one numbered starting with position 0.

Function	Purpose
No. 1 areas Ch	Dives the length of the string
K. Opper	Changes the characters in the string to apper case
x.lower	Changes the characters in the string to lower case
¥[1]	Sives the character in position i. Eg: s[2] = "c"
w.nobitedag(a, b)	Gives the characters from position a with length h.
	Deals (americannotes) has strings together



Year 9 Drama

Costume

F, Heardweigh	G sar	H foot-	II Acemoin	12000	Litera
Septimen	Management .	San	-	Peri	Links .
-000m	7		-	1000	- History
Planting.	(Manager)	***		Sale:	-
descri	- Marie		200	-	-
100	Section 1	Section.	Sec.		
Spinster.	Front	-	ber.	Mathematical	Dipoliti Stree
The Section 1	appear .	Acres 1		Bircharge	Management
	Marian	-		miles.	(200
				Person	Ministra para
	- spin-	-		Street, Square, or other party of the last	
		Dist		Section 1	Appropriate to the same of the
				-	
		Mark to the			3111111
		Sec. and			

6	am designing a costume is (social class) in th	the contract of the contract o		Costume
5	X's hair would be	Column G	(describe)	
Ÿ.	X makeup would be	Column N	(describe how markings would be	e created))
3	X would wear	Column E&C	(list the items she would wear in	column E)
3	The fit / style would be	Column D	(describe each item)	24.24
	The materials would be	28A nmulo3	describe materials for each item	1
	The colours would be	Column B	(describe colours for each item)	7
1	X footwear would be	Column H&C	(describe)	
9	X accessories would be	Column 1&C	(describe)	
	X jewellery would be	Column J&C	(describe)	

Reywords to use when designing sound

Diegetic (numbe heard by actors)



- You rigetti (cannot be 13 //0 by across)
- E. Limfert core (in a recomment the action) live can be a real process and
- A total sensor is (g. man, amendment breast process on the board
- Live music equities and reparted music reformed to 1
- Atmosphere, areast (i.e. time alone di rimose stresstrat)
- auditoure de antique de le con-
- c (thyskom graco)
- * mat offer 1 80 n-r- m (i)
- = Malazme smoldles
- Analogie (white year into a see totalise) UV as involved a literature of the filter.

EXAMPLE SENTENCE STARTERS FOR THE BUS SCENE

- Site our Liberty and this extract it want to prease an atmost in a situat starts. The isons into a summor in a situation of the isons into a summor in a situation.
- As the was pulle away the count after! I will play
- When Comes that any my wat the treation and also,
- When himstey and past the latte the mond to through the
- When the knills is groted, the non-diseasik sound (carrier be reard by actors) of the Limited pile mile. Will hope in the second of the Limited pile mile.
- _ The solone of the ______ill be amplified in an
- the prevament throughter made will be
- I will also have a policining heart beat consulessor some effectionisms when
- the allegate a market first a single of the state of a population of the purpose of the
 - When the be some (sould have the diagotic same setting (proving







mark-mark territory. And



Naciol4





Lighting with a Gauze

Year 9 Drama

A Gauze (UK) or Scrim (USA) is a coorsely waven cloth which can appear transparent or solid depending on hew it's lit.





Washes

A Geograf Wash





EXAMPLE SENTENCE STARTERS USED IN NITCHEN KNIFE SCENE

- As the tension begins to rise I the lighting will
- As Mrs Lyons turns and sees the kitchen knife on the side the lighting will.....
- As Mrs Lyons grabs the knife and holds it up in the air the lighting will......
- As the two women struggle the lighting will
- As Mrs Johnstone manages to snatch the knife from Mrs Lyons the lighting will......
- At Mrs Johnstone screams 'Go!' the lighting will
- When the kids chanting can be heard the lighting will....



Select one symbol from the selection above.

Create a logo for a product/company of your choice using your chosen symbol.

You can achieve this by modifying your chosen symbol by applying a range of composition techniques to develop its snape, form, and visual appeal. Be as creative as possible

Logo design principles

- Simple a needs to be easily identifiable at a glance
- Memorable should be easily recalled after just one look.
- Original Create a unique design that cannot be confused with another.
- Timeless should be modern yet timeless and should avoid trends.
- versatile can be used in a variety of sizes and colours.
- Appropriate should be appropriate for the intended audience.

Keywurds

Malleable - able to be nammered or pressed into shape without breaking

innovative- new and original

Analysis - detailed examination of the something Annotation- analysis added to a text or diagram. Alloy - a metal made by combining two or more metallic elements

What is Pewter?

Pewter is a malleable metal alloy consisting of tin, antimony, copper, bismuth, and sometimes silver. Modern pewier consists of are 94% tin-

Pewter has a low mailing point (around 170-230 °C) making it ideal for meiting on a chip forge and brazing hearth and casting.



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Evaluation

Designers evaluate their finished products or prototypes in order to test whether they work well and if the design can be corrected or improved. Whatever you have designed it is important to evaluate your work constantly during the project. Evaluation can take a variety of forms:

- General discussion with other pupils, staff and others
- Questionnaires / surveys carried out at any time during the project
- Your personal views, what you think of existing designs.
- Most important of all what do you think of your designs, prototypes and finished products?
- Can you think of any other ways of evaluating your work 7

Reading Shakespeare's Imagination: A Midsummer Night's Dream

Plot

Four lovers, having an argument in the Athenian woods at midnight, are confused by fairles who are only trying to help. Throw in some magic a custody battle over a little boy, and an amateur actor who unsuspectingly becomes the fairy queen's love interest. on and a magic set of ass's ears. and there you have it - A Midsummer Night's Dream, a commity.

- Hermia runs away with Lysander instead of marrying Demetrus
- The King and Queen of the laines fight over a little buy.
- Puck moddles up the lovers and causes havor with a love option
- Bottom gets the ears of an ass and Titania falls in love with him.
- Oberon puts things right and wins the little boy from litania
- The lovers get married. Bottom's friends put un a play an celebrate.
- The play is about Pyramus and Thisbe.
- The laines blirs the marriages.



Context

The most influential writer in all of English literature, William Shakesnëare was born in 1564 to a successful middleclass glove-maker in Stratford-upon-Avon, England, Snakespeare attended grammar school, but his formal education proceeded no further in 1582 he married an older woman, Anne Hathaway, and had three children with her. Around 1590 he left his family behind and travelled to London to Work as an actor and playwright. Public and critical success quickly followed, and Shakespeare eventually became the most popular playwright in England and part-owner of the Globe Theatre. His career britiged the reigns of Elizabeth I (ruled 1558-1603) and loines I (ruled 1603-1625), and he was a favourise of both monarchs ladend. James granted Shakospeare's company the greatest possible compliment by bestowing upon its members the rule of King's Men. Wealthy and renowned Shakespeare retired to 56 attord and died in 1616 at the age of fifty-two.

Key Characters

Puck - Also known as Robin Goodfellow, Puck is Oberon's Jester, a mischievous fairy who delights in playing pranks on mortal

Lysander - A young man of Athens, in Inve with Hermia

Demetrus - A young man of Athens, initially in love with Hermia and ullimately in love with Helena.

Hermia - Egeus's daughter, a young women of Africas, Hermia is in love with Lysender and is a childhood friend of Helena.

Helena - A young waman of Admins. In lave with Demetros:

Bottom - The overconfident weaver chosen to play Pyramus in the craftsmum's play for Theseus's marriage celebration.

Oberon - The king of the fairies.

Titania - The beautiful queen of the fairles.

Egeus - Hermis's lather, who lungs a complaint against his daughter to Theseus

Theseus - The heroic duke of Athens, engaged to Hippolyta. Hippolyta - The legendary queen of the Amazons, engagen to Theseus.

Key Quotations

"Ay me, for aught that I could ever read, Could ever hear by tale or history. The course of true love never did run smooth..."

"If we shadows have offended. Think but this, and all is mended. That you have but slumbered hime, While these visions did uppear; And tois week and idle theme, No more yielding but a dream, Gentles, do not reprehend."

Though she be little she be fierce

I must go seek some dewdrops here. And hang a pearl in every cowslip's ear

Cupid is a knavith lad, Thus to make poor lemales mad.

"Love looks not with the eyes, but with the mind, And frerefore is wing'd Cupid painted blind.

"Lord what fools these mortal be



Key Themes

Love.

Shakespeare explores the lighter side of love in A. Midsummer Night's Dream. Love makes us behave in strange ways - the lovers light in a most uncludised way in the woods. It can bring out the best and bravest qualities in a character - Hermia risks nor life for love. Lovers often teel invincible against a world that doesn't understand them, just as Hermia and Lysander stand alone against Athens's law. Love can make us ridiculous - Helena asks a boy to treat her like a dog, whilst Titama ralls in love with a donkey, Love can be crue! - Helena and Demetrius fall desperately in love with someone who doesn't love, them, back. Love also has a powerful magical quality, falling in love can be like being under a spell.

Appearance and Reality:

Sometimes things are not quite what they seem Sometimes we fail to see situations as they really are People often protein to be something that they're not, hiding their true serves for our reason or another. Shakespeare was really interested in thi idea and explored it in many of his plays. This themo is usually referred to as appearance and reality.

Order and Disorder:

Mitch of the comedy of a Midsummer Night's Drawn comes from the chaos created when the natural order of things is disrupted. But there's a darker side too. There's not one character that isn't relieved when Operon finally restores the midnight world to a happier one by a

Unit 2: Shakespeare

Poetry:

Spellbound Emily Brente

The Poisan Tree William Blake

Still I Rise Maya Angelou (consider Helena's voice, link with other characters. Who are marginalised)

The Magic of the Mind by Clive Webster

Do you correct All for Me? Anon (humour and World play)

Poetic terms

Meaning - the main message of the poem.

Speaker - the voice of the poem.

Imagery - the words which paint images in the reader's mino.

Simila - molered comparison (lose/as)

Metaphor - direct companion

Personification - when a non-living object is described as looking like or

behaving like a human

Tone - the feeling/atmosphere of the poem

Structure - the organisation of the point. Its myme acheme, the thythm-

Stanza - grouped lines in a poem

Form - the type of poem - Lectornet, non

Caesura - ouncluation which occurs mid-line; slaws the mythm

Enjambment – lack of terminal panetnation, spaceting up the poem.

End-stopping - punctuation at the end of a line

Metre - number of heat i per une

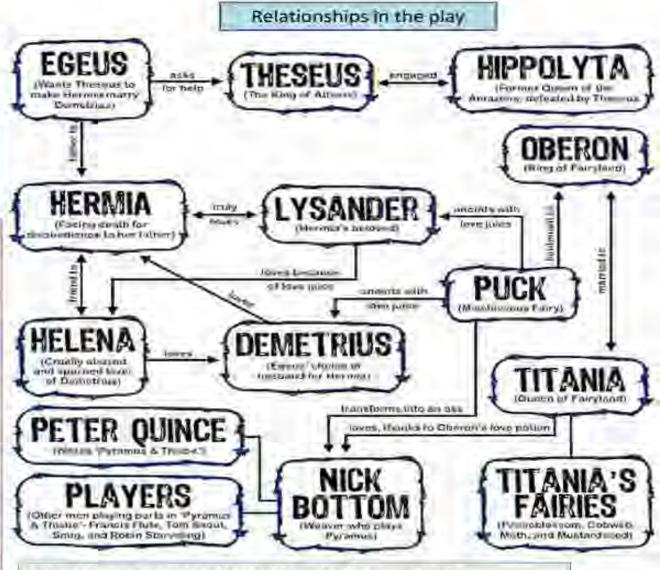
Plosive – squard golde by stopping withow – $b_i t_i k_i d_i p_i$ it created a harsh sound.

Dinomatopoels - a world which sources like the thing if is describing - i.e.

bang

Alliteration - the repetition of the same sound

Sibilance - the repetition of the 's' sound



Literature terminology - Symbolism, motif, archetype, soliloquy, allusion, lyricism, farce, comedy

Year 9 Knowledge Organiser

Coeliac - cannot eat graducts containing

Lacto-avo-vegetorian-eat daily and eggs

Vegan: No products from inimals in the diet

e.g. meat, milk or honey, often avoid using

Hinduism (Hindus)

products of animal origin, such as leather

lactose in dairy products

Lacta-vegetorian eat dairy

Ove-vegetarians- est eggs

Pesentorions - par fish

Vegetarian: No meat in the diet

gluten.

SUPET

other

clothing.

fur, feathers, etc.

All toods are plant based.

Plonning Weals for a Specific Dietary Requirement

Lactose Intolerance - The Body can't digest the

What do - may proper the

- Build enzymes and bormones
- Bullo i eli membranes
- Repair and maintain tic use
- Defand the bady (ambibodies)
- Secondary source by energy

What hugsand I wallaws doo much or foo

- Midney and liver diseases
- weight gain

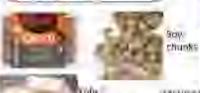
EII

mo

- Kwashingilor
- Showing growth rate 1277
- Swelling

Protein alternatives

Vegetarians and vegene tion't consume meat so rithead they use protein alternative moduce which are manufactured in order to tine teili e in materia abrivoru. protein rich loods.





Béars, fentille chlorugae

White or value of carpohydrates to

Primary Louize of energy office energy for later

100 Rolld DNA

Provent the body from using ocotems as an energy source

Millian timpormy If his baye too much or too.

Tootoplecay ryne 2 dianetes 60

 Weight gain and obesity 53 Hyperglycaemia

De 100

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Weight loss Lack of energy, firedness

di

Severe weakness Hypoglycaermi

Microsulviums

Vitaming and mineral last expendial multi-mist that your body needs for mine immunity to work **UTODELTY**

Fat Soluble Vitaminy

Patragloble vitamins (Vitarion A. Si Eond 1) are mainly found inunimal fact, vegetable cits, daily more, liver and oily han

While your body needs these partition to work property, you don't used to ear foods, unfollow then every day

Water-soluble Withmins

Water-soluble viramins (vitamin C. the Biyeamins and folic acid) are mainly found in: truit and venerables, grants, milk and daily toods

Their vilamin aran't stored in the body, so you need to have internance i requirilly it you have more than you noon, your body gets rid of the overe yramms when you unimpe-

Minerals

Abierals include calcium and non amongst many others and it e-maint in

Ment percals in its thin policiand dairy foods, that and vegetables whiteras are necessary (iii) I main *casimi.

Building strong corres and teelo

Controlling body fluids inside and oil lide cells

Turning the lood you est into energy



Salunce of energy Trisquation

Doesity

Hypertension

Partry river disease.

Type 2 diabetes

Weight lass

Reart disease

Feeling rold

Coromary Heart disease

Viramin deficiency

mere are two different types of fats

White anomakes our

→ Dissolve vitamins

guild hormones

Boild cell membranes

VI TO THE RESIDENCE OF THE PARTY OF THE PART

Palá Volus An Sery such as on most are aften saturated



Ultraturated fals you cannot see, ruches in mits and ayobados: I mey are after wood for the brain.



Sahmared

Lin-acurated

Clive oil

Amatedo

Halal food baly Bashel Tools only Mamily wegetoxium-Colymon which we opth tins are soules can his more a Don't Pade Shellitish Sett resil (ta) Alconol Alsohel denok i Fish and diskillin without Local will thing gisles Helidays Ramadan-mooty loss tauting Passovinos apraces liberation of Jay Diwall- ferrori of liables present during water consilermore showing in leading Egypt. Liettera carriers only at pight Rosti Hashanah periode Yom Kippur Hamukkah Cowcare socred animon Holdmieans demnited hasher mu to door-Informit allowes Milho e a checial unitenvened by eatmb. Dre elare their man To be Imid), meat has id becaten sur/m, Presavecame it he eligenfor colleges, at a special ways. Photoebusy awarpt function as a brown During Flowers, swires All and permonts or set a III washing its more as gifts. claughtered in a carwinomuu. way where III the boart is dramed from them.

edam (Mutlimes) (Little em (Javes)

Year 9 Knowledge Organise:

Macronutrients: nutrients needed by the body in large amounts. They include proteins, fats and carbohydrates. Micronutrients: nutrients needed by the body in small amounts. They include vitamins, minerals and trace elements.

Dietary Reference Value (DRV), the amount of a nutrient a person needs.

Keywords relating to Fats and Oils

Lipids: a general term given to lats.
Satiety: feeling full after eating.

Saturated fats: fats with two hydrogen atoms for each carbon atom. They are mainly solid at room temperature and are usually animal fats.

Unsaturated fats: lats which are usually liquid or soft at room temperature.

Monounsaturated fats: contain a pair of carbon atoms with only one hydrogen atom attached. Soft at more temperature, but will harden when put in the fridge.

Considered to be healthier than ofner lats.

Polyunsaturated fats, have two or more pairs of carbon atoms which are capable of taking up more hydrogen atoms, soft and pily at room temperature and do not harden in the fridge.

Trans-fatty acids: manmade molecules created when manufacturers and hydrogen to vegetable oils (hydrogenation).

Hydrogenation: the process of turning oils into sold fats.

Visible fats: fats that can be seen, such as the fat on meat and butter or oils used for frying or salad dressings invisible fats: fats found in the products that we eat, such as

biscuits, ice cream and ready meals

Essential fatty acids: small units of lat needled to keep our bodies functioning property.

Cholesterol: a fatty substance that is essential for cell membranes. Too much cholesterol in the body can increase the risk of cardiovascular disease. (A disease related to the heard or blood vessels, e.g. coronary heart disease.)

Keywords relating to Protein

Growth: e.g. from childhood to adulthood, and for the growth of nalls, half and muscle mass.

Repair: e.g. repairing our muscles, tissues and organs after filness or mury.

Maintenance: e.g. to make enzymes for digestion and antibodies to stop us getting iff.

High Biological Value (HBV) Protein: foods that contain all the essential armino acids

Low Biological Value (LEV) Protein: foods that contain some of the essential animo acids.

Amino acids: small units that join together to make large molecules of proteins

Essential amino acids: the nine amino acids that cannot be made by our bodies, so we must call the proteins that contain them Complementary proteins: LBV proteins that are eaten in one meal together to provide the essential amino acids.

DRV of an average male: should consume 55g of protein each day

DRV of an average female: should consume an average of 45g of protein each day.

Alternative proteins: proteins suitable for vegerarians and vegans, E.g. beans, lentils and nuts.

Soys: soya beans are one of the few plant based HBV protein sources

Mycoprotein: traditionally made from mushroom-like rungi's and egg white (although now there are vegan alternatives that use potato starct instead).

Textured Vegetable Protein (TVP): made from grinding soyn beans. The soya flour is used to make dough which when baked has a meat like texture and can be made into sausages, burgers and ready meals.

Tofu: made by curdling says milk.

DRV: An average male should consume 55g of protein and an average lemale simuld consume 45g of protein each day.

Growing children need a greater amount of protein relative rutheir size and body mais.

Physically active people mens more protein for muscle growth and repair.

Pregnant women need about up more protein than normal to help the baby grow. During breast feelling they require even more.

Reywords relating to Carbohydrates

Complex carbohydrates: such as starch and polysaccharides, take a lot longer too digest. than simple sugars, so they gradually increase blood sugar levels and provide a slow steady release of energy.

Simple sugars/carbohydrates: such as sugar can be divided in to monosaccharides and disaccharides. The body rapidly digests simple carbohydrates, making blood sugar levels rise quickly and providing a short burst of energy.

Manusaccharides: simply sugars made of small molecules that are easily digasted includes glucosy, fructuse and galactose

Disaccharides: double molecules of glucose joined together which take longer to digest includes sucrose, lactose and maltose.

Intrinsic sugars, sugars contained within blant cells.

Extrinsic sugars: sugars added to dishes and drinks

Polysaccharides: complex carbohydrates made of long chains of sugar molecules that take a long time to digest includes starch fibre (NSP), poetin, dextrose and glycogen Empty Calories: added sugars are often reterred to as 'empty calories' because they have no nutritional benefits other than energy.

Pertin: makes jams and jellies set. It cannot be digested by the body.

Dextrin: formed when toasting bread or baking cakes, biscuits and pakiny. Our bodies can digest this and break it down into glucose for energy.

Glycogen: formed in the liver from digestion and is used as an energy source.

Fibre/non-starch polysaccharides (NSP): the non-digestible part of plant cell waits. Provides bulk in the diet and helps to move waste food through the digestive system. Soluble fibre: slows down the digestive process and can help lower blood cholesterni levels.

Insoluble fibre: absorbs water and helps prevent constitution.

Wholegrain: A Wholegrain is made up of three elements.

- *a libre-tich outer layer the bran
- *a nutrient-packed inner part this germ
- ·a central stanchy part the endosperm.

During the milling process, the bran and the germ are often removed to give a 'whiler' cereal.

9.12 Tenses and Festivals

Verbs and the present tense in French

The infinitive

When you look up a verb in the dictionary, you find its original, unchanged form which is called the *infinitive* (regarder, manger, boline, finit, jouer, avoir, etie, etc.). The Infinitive ends in -er, -ir or -re.

Forming the present tense in French

Taxe off the last 2 letters of the infinitive (-er, -ir or -re) and add the following endings depending on the pronoun:

Verbs and the near future tense in French

You can talk about the future by using the near future tense (le future proche). Use part of the verb ALLER followed by the infinitive to say what you are going to do.

Ce soir Je vais jouer au tennis. Tonight I am gaing to play tennis. Demain Paul va faire un gateau. Tomorrow Paul is gaing to make a cake.

Verbs and the past tense in French

You can talk about the past by using the perfect tense (le passé composé).

The perfect tense has 2 parts:

*The auxillary (avoir or être) - use être with Mrs Vandertramp verbs

•The past participle (must agree in number and gender for Mrs Vandertramp verbs).
To form the past participle, take off the infinitive endings (¬er, ¬ir or ¬re) and add ¬é, ¬ i or ¬u.

l'<u>ai</u> achet**é** des baskets au centre commercial. I <u>have bought</u> troiners at the shapping

Her il a joue au foot dans le parc. Yesterday he played football in the park.

Hier elle est allee au cinema - Yesterday she went to the cinema



	ER verb	IR verb	RE Verb
je	÷6	÷(s	-5
tu	-es	-is	-5
il / elle/ on	-e	-it	0.
nous	-ons	-issons	-ons
vous	-ez	-issez	-ez
ils/elles	-ent	issent	-ent

A	LLER
Je vais	Tam going
Tu vas	You are going
II /elle /on va	He /she/one is going
Nous allons	We are going
Vous allez	You (lot) are going
ils /elles vont	They are going

AVOIR at	uxiliary ÉTRE	
Avoir	Etre	
J'ai	Je suis	
Tu as	Tules	
li /elle a	ii /elle est	
Nous avons	Nous sommes	
Vous avez	Vous êtes	
Ils /elles ont	lis /elles sont	



L'été dernier

C'était

L'hiver dernier

Il y a (deux ans)

French Year 9 .12 Tenses and Festivals

Les phrases du passé Past Tense Time Phrases L'année dernière Last year Le mois dernier Last month The day before yesterday Avant hier Last week La semaine dernière Hier Yesterday Dans le passe in the past Quand J'avais ... ans When I was ... years old

Le weekend dernier Last weekend Les verbes au passé Je suis allé(e) J'ai célébré J'ai mangé J'ai bu J'ai ouvert Last weekend Past Tense Verbs I went I celebrated I ate I drank J apened

It was

Last summer

ago (two years ago)

Last winter

Les phrase du futur **Future Tense Time** Phrases L'année prochaine Next year Le mois prochain Next month Après demain The day after tomorrow Demain Tomorrow La semaine prochaine Next week Dans le futur In the future When I will be.... years old Quand j'aurais ... ans L'été prochain Next summer L'hiver prochain Next winter Le weekend prochain Next weekend

Les verbes clés	
Ma fête préféré	e est
Noël	
La veille de Noë	
Le Páques	
Le Dipavali	
Le Hanoukka	
L'Aid	
Le premier avril	
La Chandeleur	
Le Nouvel An	
La Saint-Sylvestr	
La Saint-Valentin	1
La fête des Mêre	65
Le 14 juillet	
Un jour férié	
Le premier mai	
La fête de la mu	sique
L'anniversaire	
Le mariage	
Un fête	
Les invités	
Les cadeaux	
Le muguet	
Les blagues	
Un repas spécia	
Un cadeau	
Les feux d'artific	29
Religieux/religie	use
Traditionnel/trai	ditionnelle
En famille	

French Festivals	
My favourite festival is	
Christmas	
Christmas Eve	
Easter	
Divali	
Hanukkah	
Eld	
April Fool's Day	
Candelmas	
New Year	
New Year's Eve	
Valentine's Day	
Mother's Day	
Bastille Day	
A bank holiday	
May Day/Labour Day	
Music festival	
Birthday	
Marriage	
Party	
Guests	
Presents	
Lily of the valley	
Joke	
A special meal	
A cake	
Fireworks	
Religious	
Traditional	
Family	

Les verbes clés	Key Verbs
Célébrer	To celebrate
Borre	To drink
Décorer	to decorate
Donner les cadeaux	To give presents
Chanter	To sing
Danser	To dance
Allumer les bougles	To light candles
Manger	To eat
Préparer	To prepare
S'amuser	To have fun
Inviter	To invite
Regarder	To watch
S'habiller	To dress up
Se rencontrer	To meet up with family
Apporter	To bring
Se relaxer	To relax
Passer	To spend
Réunir	To gather
Ouvrir	To open
Voir	To see
Je celèbre avec	I celebrate it with
Nous allons nous souhaiter	We wish each other
Les verbes an futur	Future Tense Verbs

Les verbes au futur	Future Tense Verbs
Je vais aller	i will go
le vais célébrer	t will celebrate
le vais manger	i will eat
le vais boire	i will drink
Je vals ouvrir	I will open
Ça va être	It will be

Year 9 Geography Will we ever stop human exploitation?

Human rights	Are rights we have simply because we exist as human beings - they are not granted by any state (country). These universal rights are inherent to us all, regardless of nationality, sex national or ethnic origin, colour, religion, language, or any other status.
Universal Declaration of Human Rights (UDHR)	Adopted by the UN General Assembly in 1948, was the first legal document to set out the fundamental human rights to be universally protected.
Мідгант	Someone who moves, this can be within a country or between countries. Either permanently or temporary but not as a tourist.
Immigrant	Someone that moves into a new place
Emigrant	Someone that leaves a place
Push factor	A reason that makes someone to leave (negative)
Pull factor	A reason that attracts someone to a new location
Forced migration	Movement of people away from their nomes due to political conflict, natural disaster
Forced labour	Work that is involuntarily and under the menace of any penalty.
Globalisation	The process by which the world is becoming increasingly interconnected as a result of massively increased trade and cultural exchange



Qutar is located in Western Asia on the Persian Gulf. The capital city is Doha. Qatar is hosting the 2022 World Cup. It is building 8 new stadiums and an entire new city.

Migrants make up 94% percent of all workers in Qatar and 86% of the country's total population— the world's highest ratio of migrants to citizens. The highest proportion of migrant workers come from India and Bangladesh.

Syria is located in Western Asia. The capital city is Damascus.

Syria has faced a number of years of war and political instability. This has led to mass migration of people from Syria. People who are forced to leave their country as a result of war are refugees.



China is the biggest manufacturer of iPhones globally, with 349 suppliers. Apple outsource to companies such as Foxconn.

Conditions that some face in factories; long. 17 hour shifts, cramped living conditions, relentless and repetitive work.







Year 9 German - Festivals and Traditions

Celebration / Festivals

der Aschermittwoch der Karfreitag der Karneval/der Fasching der Maifeiertag der Mutterstag Ostern

Pfingsten Tag der Deutschen Einheit

der Valentinstag Geburtstag/Halloween

der Neujahrstag

Silvester

der Aprilscherz

Celebrations/Festivals

Ash Wednesday Good Friday Carnival/Carnival May Day Mother's Day Easter Whitsun Day of German Unity Valentine's Day Birthday/Halloween New Year's Day New Year's Eve

Key vocab

die Einladung die Feier/das Fest die Festlichkeit der Feiertag die Tradition/kirchlich die Moschee die Fastenzeit die Umzüge/die Wagen der Osterhase/ das Osterei das Feuerwerk die Kerze/das Licht

der Gast/der Gastgeber/die Menge

Key vocab

Invitation

Celebration/Festival or celebration

Celebration Public holiday Tradition/religious

Mosque

Period of fasting/Lent Processions/floats

Easter bunny/Easter egg

Fireworks Candle/light

Guest/host/crowd

Presents

Cone filled with sweets

Hospitality

Party /street party

Key Vocab

München Köln

Berliner Pfannkuchen das Oktoberfest

Scherze/Streiche die Hexe

das Kostürn das Volksfest

die Besucher der Grillabend

Key phrases

Munich Cologne

Sweet doughnut October Beer festival

Jokes/tricks

Witch Costume

Public festival Visitors

barbecue

Key verbs in infinitive

bekommen danken einladen feiern sich verkleiden besuchen teilnehmen stattfinden dauern freuen (sich auf) freuen (sich über)

verstecken /schicken

schmücken

Key verbs in infinitive

April Fool's Day

to get/to receive to thank to invite to celebrate to dress up to visit to take part to take place to last to look forward to to be pleased about sthg to decorate

to hide/to send

Weihnachten

die Geschenke

die Zuckertüte

die Gastfreundschaft

die Party/Das Straßenfest

der Adventzkranz der Welhnachtsbaum die Weihnachtslieder Heiliger Abend Erste Weihnachtstag Zweite Weihnachtstag der Lebkuchen austauschen der Sankt Nikolas Tag Gänsebraten/der Rotkohl

Christmas

Advent wreath Christmas tree Christmas carols Christmas Eve Christmas Day Boxing Day Gingerbread To exchange St Nicholas' Day (6th Dec) Roast goose/red cabbage

Key Question words

Wann? Warum? Wer Wie? Was? Was für? Wo? Wohin? Woher? Wozu? Wieso? Wie viel? Wie viele?

Key Question words

When? Why? Who? How? What? What sort of? Where? Where to? Where from? What for? Why? Why? How come? How much?

How many?



Ich kann sprechen

Guten Tag Guten Morgen Guten Abend Gute Nacht

Auf Wiedersehen

Auf Wiederhören

Hallo! Tschüss Gruß Gott Wie geht's? Bis später

Bis morgen Bitte

Danke Natürlich

Was ist los mit dir?

Wie schade Es tut mir leid Ich weiß nicht

ich verstehe nicht

Vielleicht. Wie bitte? Viel Glück

Everyday language

Good day Good Morning Good evening Good night Goodbye

Goodbye (on phone)

Hill Bye Hello

> How are you? See you later

See you tomorrow Please/you're welcome

thanks Of course

What's wrong with you?

What a pity I am sorry I don't know I don't understand

perhaps

beg your pardon Good Luck

Year 9 Geography, History and culture

Erdkunde

der Fluss

am Meer

der Hafen

der Hügel

die Insel

die Mauer

der Platz

der Wald

der Rhein

Die Alpen

die Mosel

die Donau

die Schweiz

Österreich

Wien

Genf

Bayern

auf dem Land

an der Küste

die Gegend

der Einwohner

in den Bergen

die Landschaft

die Umgebung

Die Bundesländer

der Schwarzwald

der Baum/die Blume

Geography

Cathedral Monument River Building By the sea

Inhabitant Tree/flower Port/harbour

In the mountains

Hill

Landscape Island Wall

Place/square Surrounding area Wood/forest

Rhein The Alps

The Federal States

Bavaria

The Black Forest

Moselle Danube Vienna Switzerland Austria Geneva

Wo ist Where is

im Norden in the north im Osten in the east im Westen In the west im Süden in the south die Hauptstadt Capital city

On the outskirts of town am Stadtrund in the town centre im Stadtzentrum

Erdkunde

die Ostsee das Mittelmeer Asien die Nordsee der Ärmelkanal Rom

Venedig Basel der Bodensee die S-Bahn die U-Bahn die Straßenbahn die Tankstelle tanken der Zebrastreifen

das Benzin

der Verkehr

Lake Constance Underground Tram To fill up Petrol traffic

Geography

Baltic Sea Mediterranean

Asia

North Sea

English Channel

Rome Venice Basle

Suburban railway

Petrol station

Zebra crossing

Context.

1960's and 70's Britain is often regarded as a period of revolution and change. During this topic we are going to assess how much change occurs during this time period for LGBTQ+, women and Black people.

Key Events

	1961 – The Contraceptive pill available for married women for the first time on the NHS.
2	30th April – 17th September 1963 – Bristol Bus Boycott took place to
	challenge discrimination on Bristol's buses

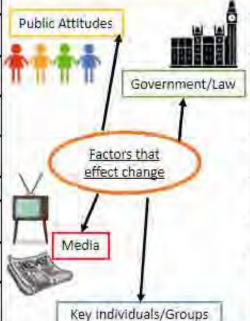
- 3 1965 Race Relations Act passed, first law to ban racial discrimination in public places and made it a criminal offence.
- 4 1967 Sexual Offences Act was passed which decriminalised private homosexual acts between men aged over 21.
- 5 1967 Family Planning Act passed, contraception available to all through the NHS.
- 6 1968 The first St Pauls Carnival took place in Bristol
- 7 June 1968 187 women sewing machinists at the Ford Motor Company plant in Dagenham, Essex, went on strike.
- 8 9 August 1970 Black Power activists march against police harassment of the Black community in Notting Hill, London.
- 1 July 1972 First Pride march took place in the UK, approximately 2000 protesters marched in London.



History – Year 9 Knowledge Organiser Term 5

MET

How much did life change for LGBTQ+, women and Black people during the 1960's and 70's?



Key Terms

10	activism	Any action of campaigning to bring about change Usually social or political change.
11	civil rights	The rights of citizens to political and social freedom and equality.
12	decriminalisation	To no longer to treat something as illegal or as a criminal offence.
15	equality	The state of being equal, especially in status, rights, or opportunities.
14	legalisation	To make something that was previously illegal allowed by law.
15	liberation	To set someone or something free. For example from oppression.
16	revolution	To overthrow a government or social order, in favour of a new system.
17	Second Wave Feminism	Feminists who sought to change social and sexual discrimination.

Key Skills

18	Change and continuity.	What changed and continued, stayed the same, for each group during the 60's and 70's? Why? How quickly did things change? To what extent did they
		change?



RATIO AND DIRECT PROPORTION

Key Concepts

unitary method. single item we can use the To calculate the value for a

value in monetary terms we When working with best

In recipe terms we use: Price per unit = quantity price

Weight per unit weight quantity

> If 20 apples weigh 600g. How much would 28 apples weigh?

600 ÷ 20 = 30g-→ weight of 1 apple

30 × 28 = 840g

Which box is the better value? Box B has 20 fish fingers costing £ 3.40 Box A has 8 fish fingers costing £1.40.

$$A = \frac{£1.40}{8} \qquad B = \frac{£3.40}{20}$$
$$= £0.175 \qquad = £0.17$$

Therefore Box B is better value as each fish

Examples

ingredients needed to make The recipe shows the How much of each will be 10 Flapjacks.

Ingredients for 10 Flapjacks 80 + 10 = 8 Method 1: Unitary

needed to make 25 flapjacks?

8 × 25 = 200g 3 x 25 = 75g 30 ÷ 10 = 3

 $80 \div 2 = 40$ Method 2: 5 flapjacks $6 \times 25 = 150g$ 3.6 × 25 = 90g $30 \div 2 = 15$

36 g light brown sugar 30 m/ galden syr 60 g butter 80 g rolled oats

 $60 \div 10 = 6$

 $36 \div 10 = 3.6$

 $60 \div 2 = 30$ 40 × 5 = 200g $36 \div 2 = 18$ $18 \times 5 = 90g$ 15 × 5 = 75g

30 × 5 = 150g

Key Words

finger costs less

180 g flour 40 g ginge 110 g butter 30 g mean lagredient

gange butter

men?

Unitary,

Best Value, Proportion

Quantity

1) How much will we need gingerbread to make 24

> Packet A has 10 toilet rolls costing £3.50.
> Packet B has 12 toilet rolls costing £3.60. Which is better value for money?

3) If 15 oranges weigh 300g. What will 25 oranges weigh?

ANSWERS 1) 270g flour, 60g ginger, 165g butter, 45g sugar 2) Packet B 30p per roll 3) 500g

https://www.bbc.co.uk/bitesize/subjects/zqhs34j

https://corbettmaths.com/contents/ https://vle.mathswatch.co.uk/vle/

Year 9 Term 6 Maths

DIRECT

AND INVERSE

PROPORTION

Variables are directly Key Concepts

between the quantities. the ratio is constant proportional when

proportion to the other decreasing. quantity increases in proportional when one Variables are inversely

Direct proportion:

900					
Value of A	32	P	95	20	77
Value of B	20	30	35	æ	45
	İ	I		I	

Ratio constant: $20 \div 32 = \frac{5}{8}$

Value of B

14

0

10 70

S

From A to B we will multiply by 5/8 From B to A we will divide by 8.

 $P = 30 \div \frac{5}{8} = 48$ $R = 20 \times \frac{5}{8} = 12.1$ = 12.5

Examples

Inverse proportion: 5

š R = 2

ס

Key Words

Direct, Inverse, Proportion

Divide, Multiply, Constant

Useful Links

https://corbettmaths.com/contents/ https://vle.mathswatch.co.uk/vle/

https://www.bbc.co.uk/bitesize/subjects/zqhs34j

Complete each table:

Direct proportion

Value of B	Value of A
9	5
28.8	P
۵	22

Inverse proportion

Value of B	Value of A
9	4
w	P
Q	18

ANSWERS 1) P=16, Q=39,6 2) P=12, Q=2

Year 9 Term 6 Maths

SIMILARITY 1 LENGTHS

Examples

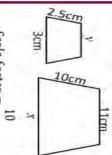
Key Concepts

of one another. Similar shapes are an enlargement

A scale factor is used, whereby all lengths are multiplied by the same

When finding a missing length on the larger shape we multiply by the

When finding a missing length on the smaller shape we divide by the scale factor.



$$y = 3 \times 4$$

$$= 12cm$$

$$x - 3 < 4$$

= 12cm
 $y = 11 \div 4$
= 2.75cm

$$\frac{v}{3\text{cm}} = \frac{11\text{cm}}{x}$$

$$\frac{x}{3\text{cale factor}} = \frac{10}{2x}$$

Split the diagram

) cm

Scale factor =
$$\frac{12}{9} x + \frac{12}{3}$$

$$x+6=6 \times \frac{4}{3}$$

$$x+6=8$$

$$x=8-6$$

$$x=2cm$$

$$\begin{array}{ccc} = 6 \times \frac{4}{3} & y = 7 \div \frac{4}{3} \\ = 8 & = 5.25 cm \end{array}$$

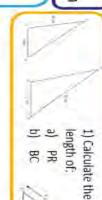
7cm

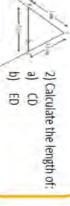
0 + x cm

Key Words

Similar, Scale factor, Enlarge, Length

https://corbettmaths.com/contents/ https://vle.mathswatch.co.uk/vle/ https://www.bbc.co.uk/bitesize/subjects/zqhs34j





ANSWERS 1a) 39cm b) 30cm 2a) 12,5cm b) 7,2cm

PLANS AND ELEVATIONS

Key Concepts

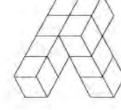
points: drawn from three view can be mathematically A 3 dimensional shape

> view and the plan view the side view, the front

Front view Side view

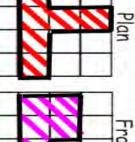
Plan view - from above

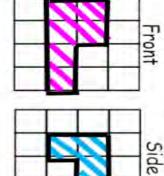
representations dimensional They are drawn as 2



Examples

Draw this 3D shape from



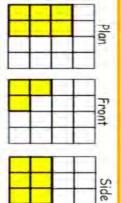


Key Words

Elevation, Plan, Side, Front

Useful Links

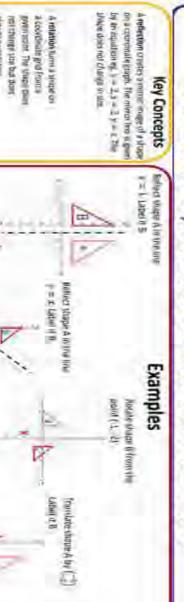
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shape that has Sketch the 3D these three views.

ANSWERS

REFLECTION, ROTATION AND TRANSLATION TRANSFORMATION-



Key Words

branslation movers state on a

cordinate grid. Vectors en avents

Resident Land

Rotate, Clockwise, Anticlockwise, Centre, Degrees, Reflect, Milrot Image, Translate, Vector

and the

impe//upsameathe.com/enomens/ impe//eusaabbe.co.ph/Simmonishjers/apho

C—crite the single framionrollon one we so well extendinate and from a to 8

ASSASKS at influence $\gamma = 150$ reservor $\gamma = \epsilon$ of employs series (0.01 50 sections at the annion ()).

TRANSFORMATION - ENLARGEMENT

Key Concepts

An **enlargement** changes the size of an image wang a scale factor from a given point.

A positive scale factor will reviewe the size of an image.

A negative scale factor will place the image on the

A fractional scale factor will reduce the son of an

the image inverted

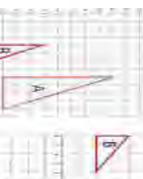
apposite side of the centre of enlargement, with

factor 2 from point P.

Enlarge shape A by scale Enlarge by scale factor 2 from point P. from point P.

Examples

from (0,0).





Key Words

Inlargement, Scale Factor, Centre, Positive, Negative

https://wio.amidhamidh.co.uk/ete/ https://sorhestreatha.com/sorbents/ (whit law)

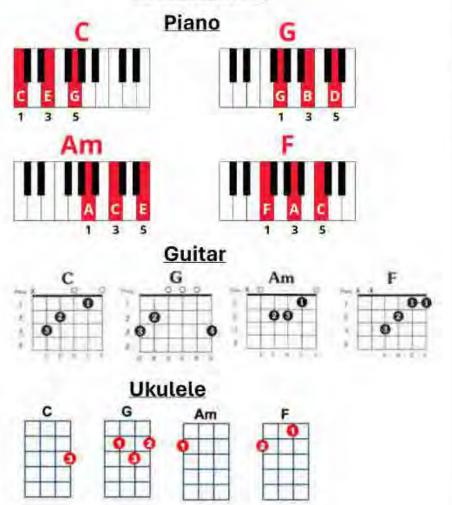
timps://www.bts.cu.uk/bitester/subjects/aghs34)

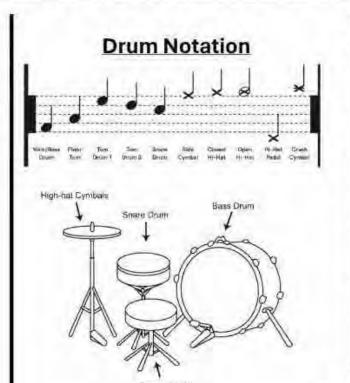
Describe the single transformation you are no said toordinate and from A.68 B.

ANSWERS of enlayer comm (4.2) such Pater 2. Is enlayer, comm (3,23) scale fators: c) enlayer committee to the second seco

Music KO – Instrumental Skills

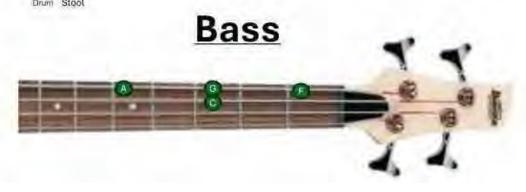
Chords





Keywords

- Chords Multiple notes played at the same time
- Inversion Changing the order of notes in a chord
- Structure The order of sections in a piece of music
- Melody A string of notes one at a time, the melody is sung in a song
- Pulse The constant, steady beat in music that keeps different parts in time
- Riff a repeating musical pattern
- Frets The spaces between the metal bars on the neck of a guitar, ukulele or bass (Start counting from furthest away from the instrument body)



PE Knowledge Organiser

COMPONENTS OF PHYSICAL FITNESS













Aerobic endurance: the ability of the cardio-respiratory system to efficiently supply nutrients and oxygen to working muscles during sustained physical activity

Muscular endurance: the ability of the muscular system to work efficiently, where a muscle can continue contracting over a period of time against a light to moderate fixed resistance load.

Flexibility: having an adequate range of motion in all joints of the body; the ability to move a joint fluidly through its complete range of movement.

Speed: distance divided by the time taken. (Accelerative speed, pure speed, speed endurance).

Muscular strength: the maximum force (in kg or N) that can be generated by a muscle or muscle group.

Body composition: the relative ratio of fat mass to fat-free mass (vital organs, muscle, bone) in the body.

COMPONENTS OF SKILL-RELATED FITNESS











Agility: the ability of a sports performer to quickly and precisely move or change direction without losing balance or time.

Balance: ability to maintain a centre of mass over a base support. (Static, dynamic),

Coordination: the smooth flow of movement needed to perform a motor task efficiently and accurately.

Power: the product of strength and speed.

Reaction time: the time taken for a sports performer to respond to a stimulus and the initiation of their response.

• Inametermateurs: Forth die este Millief instrine diameter? Knowledge Organiser

4	NEED TO KNOW WORDS
Activism	The use of action to bring about change
Civil Rights	Political and social equality and freedom
Civil Disobedience	refusal to comply with certain laws
Democracy	A publicly elected government
Racism	To discriminate against people of a certain race
Equality	A state of being equal
Social Justice	Fair distribution of wealth and nights in a society
Prejudice	Prejudged opinions of a person or group.
Discrimination	Unfair freatment of a group

What is activism?

The word "activism" is only about 100 years old, at least in its current use, and derives from the verb to act. An activist is someone who is active in campaigning for change, normally on political or activism is Activism is what activists do, that is, the methods they use in order to bring about change. Human rights activism is thus about reacting to injustice, to abusive treatment, to violence or discrimination, and trying to correct it.

Christian views on prejudice and discrimination

Christians believe that all humans are made in the image of God. Therefore any action that devalues a person is an insult to God who created and loves that person:

Love your neighbour as yourself. - Matthew 22:39

Islamic views on prejudice and discrimination

Islam teaches that God created everyone as equal but different.

As all are created by God, discrimination against any human is unjustified. The unmah crosses all gender, race and wealth boundaries:

"All human beings are equal like the teeth of a comb." - Hadith

Social Justice - Malcolm X

Malcolm X was an important leader who fought against racism and worked to empower Black people in the United States. He believed that Black people should have control over their own lives and communities, and he criticized the way that mainstream civil rights leaders were approaching the Issue. He contributed to social lustice by:

- *Promoting Black Independence and challenging the idea of White superforms,
- *Advocating for Black economic and political power through initiatives such as Black nationalism and separatism.
- Highlighting the impact of systemic radiam and institutional discrimination on the Black community.

	Examples of Activism
Demonstrations and protests	During a demonstration or a protest, people united by a common belief meet together. They might march along a specific route, sit in at a specific place to draw attention to the cause, or hold a vigil to honour someone's life
Boycetts	to refuse to buy a product or take part in an activity as a way of expressing strong disapproval
Strikes	When workers deal with unfair or dangerous work conditions, low wages, or other issues, they might refuse to work when negotiations are refused or they fail.
Social media campaigns	Also known as "hashtag activism," it brings activism to social media networks like Instagram and Twitter. Users raise awareness of issues, organizations, and actions through posts, graphics, videos, and more.

Champernakurs: Fray does belief inspire champe? Knowledge Organiser

NEED TO KNOW WORDS

Conviction

Marginalised

March on Washington

LGBTQ+ rights

A firmly held belief or opinion individuals or groups who are excluded from mainstream society

the historic civil rights march on Washington D.C. on August 28, 1963, where Martin Luther King Jr. delivered his famous 'I Have a Dream" speech.

equal rights and protections of LGBTQIA+ individuals

Racism- Martin Luther King Ir

Matter Line in the Market of Arghades and Arghades Michael Arghades and Arghades in the United States forms in a control of the Control of th

Influence of Beliefs:

Christian beliefs strongly influenced his activism and his vision for social justice. He saw the struggle for civil rights as a moral issue, and he believed that all people were created equal in the eyes of God. He emphasised the importance of love and nonviolence in the struggle for justice, drawing on Jesus' teachings in the New Testament.

Contributions to change

- Advocating for nonviolent protests to challenge racial discrimination and segregation.
- Leading the Montgomery Bus Boycott and the March on Washington, which brought national attention to the Civil Rights movement.
- Promoting racial equality and the end of segregation through the Civil Rights Act of 1964 and the Voting Rights Act of 1965.

Education - Malala Yousaizai

Malain "cusafturis il la istant e location urbinist un chas become a prominer location and prominer la rights.

Influence of Beliefs:

Malala Yousafzai is a Muslim, and her faith has played a significant role in inspiring her activism for girls' education and women's rights. She drew on the example of Prophet Muhammad, who taught that seeking knowledge was a duty for both menand women, to inspire her own advocacy for girls' education.

Contributions to change

- Advocating for girls' education in Pakistan.
- Co-founding the Malala Fund to promote girls' education around the world
- Speaking out on a variety of global issues, including refugees, climate change, and social justice.

LGBTQI+ - Marsha P Johnson

Marsha P. Johnson Was a Brack transgerider Woman and LGBTQ— rights activist who fought to justice and equality for marginalized communities.

Contributions to change

- Being a prominent figure in the Stonewall uprising of 1969, which is widely considered a turning point in the fight for LGBTQ+ rights
- Co-founding the Street Transvestite Action Revolutionaries (STAR) which provided housing and support to homeless transgender youth.
- Challenging traditional gender norms.
- Promoting the idea that all people should be free to express their true selves.

Impact on religion:

Marsha P. Johnson's legacy has inspired many religious communities to re-examine their traditional teachings on gender and sexuality. Some religious organizations have even begun to recognize and celebrate the lives of LGBTQ+ figures like Marsha P. Johnson as part of their own religious traditions, highlighting the intersections between faith and social justice.

Knowledge Organiser

NEED TO KNOW WORDS

Speciesism

The belief that one species, typically humans, is superior to and has the right to dominate over other species

Climate change

Refers to the long-term changes in the Earth's climate primarily due to human activities such as burning fossil fuels and deforestation.

Ummah

the global community of Muslims

Christian views on Activism

Many Christians believe that they are called to work for justice and to serve others, based on the teachings of Jesus Christ, They see activism as a way to live out their falth and to make a positive impact in the world. This can take many different forms, including political advocacy, social justice work, and community service.

At the same time, many Christians also believe in the importance of prayer, worship, and spiritual reflection as a way to sustain their activism and to remain connected to God's guidance and wisdom. They see activism as part of a larger spiritual journey, and they believe that their faith can provide strength and Inspiration for their work.

Speciesism - Peter Singer

Peter Singer is a philosopher and ethicist who is known for his work in animal rights.

Contributions to change

Criticizing the use of speciesism, or the belief that humans are superior to other animals. as a justification for the exploitation and mistreatment of non-human animals.

Significance

Peter Singer's secular humanist worldview has led him to be a strong advocate for the rights and well-being of all beings. and has inspired many people to re-examine their own ethical beliefs and values.

Climate - Extinction Rebellion

a global environmental movement that aims to raise awareness about the climate drise and the urgent need for action to prevent further damage to the planet.

Aims:

To pressure governments and other institutions to take Immediate action to address the climate crisis, including reducing carbon emissions, transitioning to renewable energy, and protecting biodiversity.

KR also advocates for systemic change that would move away from a fossil fuel-based economy and toward a sustainable and just society.

Activism:

The methods used by XR include nonviolent civil disobedience, such as blocking roads and disrupting public spaces, as well as other forms of protest and direct action. The movement believes that such tactics are necessary to draw attention to the urgency of the climate crisis and to pressure those in power to take action.

Islamic views on Activism

In Islam, the concept of social justice is central, and Muslims believe that they have a responsibility to work for the betterment of society and to alleviate the suffering of those in need. This can take many forms, including political activism, social welfare work, and community service.

Muslims also believe in the importance of prayer and worship as a way to connect with God and to seek guidance and inspiration for their work. They see activism as a way to live out the principles of their faith and to embody the teachings of the Prophet Muhammad.

Science

EDEXCEL 9-1 Combined Science | Year 10 Physics Topic 1 - Motion, Forces and Energy | Required Knowledge anan linus als-speeding up on them.

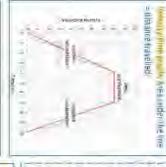
CPG F & H tier p145-164







editeriou:



until acted on by a resultant force. Nev ton A Prist taw. An inquing object pelacity (speed and direction) until acted on by a resultant form:

The force of gravity acting on the mass

Weight

9-

J = R = R

Change in direction means clearing in velocity, and therefore the object is actually and therefore the object is actually in positive arrayative; because if it is need does only thange. This measure it required to kear the object among in earlief the above is raised the a circle is curistantly shooting direction H- Er cular movers An object moving in

Vector (size and direction).

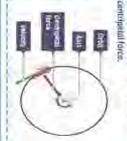
Ê

Measured in Newtons





Changes depending on location (e.g., different planets).







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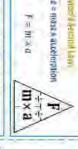
 $B \times m$



consuming an other.

men.

Ausopan x steru



Resultant orcas forces acting on an object can be added together to give the resultant force. Remember some force or megative because long is a vector. Houseand long with the content of
Algerouse patent









TON

30N

= 90N to the right

30N 60N

= 20N to the right





difficult to keep a

ways.

Chemical energy: Stored in chemical energy Stored in chemical energy (grant, e.g., food, five) (e.g., perrol)

Integri Energy is a body's rapability to have an effect on its surroundings. For examples A hot cup of tea will featitite air around it and the table top it sits on, units, joules (i).

Kinetic energy: Stored in moving objects, e.g. car, trails, sprinter Thermal energy: Stored as heat, e.g.

Elastic potential energy: Stored in

braking distance.
Thinking distance
The distance travelled in the time between the diverseeing the sknetten and

moluncy = thinking distance +

ed maxerials, e.g.: springs, rubb

 $k\bar{k} = \infty$ (mass (velocity): $k\bar{k} = -\infty$ (if ∞

reduces near loss because the air gaps

Cavity wall insulation stops hear an eading

strip heat energy being announted

dutside

DE ABREON

tierd strength whole to 田世 = m × g × h PHONE IN SEC. - 13.

Gravitational potential energy: Starrid in objects raised a height above ground e.g. a ball heid above the ground.

Nuclear energy: Stored inside atoms

Braking distance fravelled while the brakes

Affected by Irredness drugs, alrahol. (Ilmess) distractions (e.g. using a mobile

Non-renewal e resource frounds coal, pil and gas, known as tossi fuels. When burnt they release carbon digkids and other gases, which contribute to climate change. Nuclear fuel (uranium) is also non-renewable but contributes less to climate change instead it leaves nuclear waste, which remains dangerous for thousands of

finns with the retources include to line (1818, hydrochedrichy, wind turbines and tidol power. Renewable resources will not run out. They do not generate rarbon emissions. Renewable resources are being increasingly used as they become cheager and as non-renewable resources begin to run out. Bio fuels are made from mai waste of p They are burned to generate energy. Display efficiency; Energy cannot be created in destroyed. Some energy is transferred to the useful store (light in the case of the lightbulb). Some of the energy is transferred to a different store and is wasted freat in the case of the lightbulb).

Useful energy transferred by Efficiency = . Useful energy transferred by the deulce Total energy transferred by the device

A lightfullb which consumes 100 I at electrical energy and outputs 100 of light energy has in efficiently of 0.10.

Chemical overgy, in the fixe! Car ingine Process wasted as heat.

created or destroyed, it can only to transferred from one stope to another for example, a can reasted so the control from the chemical stope (u.e.) to the tremal store (u.e.) store (u.e.) store (u.e.) the advance of integy story construct, this is the law of conservation of energy some of the energy is threstered to the thermal trace in the energy is threstered to the thresh store in the are applied.

Slaws the car down by friction.

Affected by Road conditions (e.g., loose gravel, wel), tyre conditions, weight of the at: Rapid acceleration (positive or

regation) — the fit is call crash — to flangerous to the human body. Cars have crumple sones where the engine comparizorem intermples in a crash, increasing the time over which the impart riskes place. This reduces the time of In a Sonkey diagram, the width of the arraw represents the amount of energy transferred. The arrow splits into different directions for transfers to different energy stones. The tankey diagram opposite shows energy transfers in a filament light bulk in-shows that most of the energy transfers in a filament light bulk. Energy transfers between energy stores can be représented by Sankey diagrams

EDEXCEL 9-1 Combined Science | Biology Topic 3 - Genetics | Required Knowledge

CPG F & H tier: pages 27-28.

DNA (Pg 27)

- DNA is the genetic material contained in the nucleus of a cell
- The entirety of the human DNA is called the genome.
- DNA is contained within the chromosomes inside the nucleus.
- It has a double helix shape.



Base pairs (Pg 27)

- Four base pairs:
 - A (adenine)
 - T (thymine)
 - C (cytosine)
 - G (guanine)
- Base pairs are bonded together with hydrogen bonds
- A always bonds with T, C always bonds with G
 - These are known as complimentary base pairs
- Each base is attached to a sugar and phosphate backbone. Together these are known as a nucleotide.

 DNA is a polymer made of many monomers.



Extracting DNA (Pg 27)

- Mix washing up liquid (breaks down cell membranes) and salt (clumps DNA together)
- ... Mash fruit (breaks up cells)
- Filter (separates solid lumps of fruit and the now dissolved DNA)
- Gently add ice-cold ethanol (DNA is insoluble in ethanol, so precipitates out to be collected).



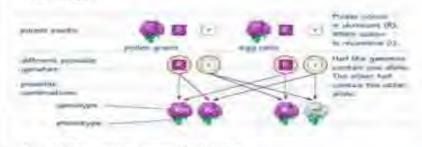
Genes & Alleles (Pg 28)

- Genes are short lengths of DNA that code for s specific protein.
- This means they control certain features (e.g. eye colour)
- Alleles are different versions of the same gene (e.g. blue eye gene or brown eye gene.)
- You have two alleles for each gene, one from Mum and the other from Dad.
- Alleles can be dominant (use a capital letter) or recessive (use a lower-case letter)
 - Aa

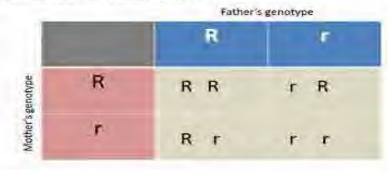
Key word	Definition
Gene	A section of DNA that codes for one thing.
Allele	A different version of the same gene.
Offspring	The 'children' of an organism.
Dominant.	The stronger allele:
Recessive	The weaker allele.
Homozygous	Having 2 of the same allele.
Heterozygous	Having 2 different alleles
Genotype	The different alleles that an organism has e.g. Rr
Phenotype	The characteristic the organism has, E.g. purple flowers

Genetic diagrams (Pg 28)

- Used to predict the possible outcomes of a cross depending on the parents genotypes.
- Two kinds



Punnett squares are easier to use



EDEXCEL 9-1 Combined Science | Biology Topic 3 - Genetics | Required Knowledge

CPG F & H tier: pages 6, 28-31

Probabilities (Pg 28)

 Possible outcomes are represented as probabilities.



- RR = 1/4 = 25% = 0.25
- Rr = 2/4 = 50% = 0.50
- -Rr = 1/4 = 25% = 0.25

Sex determination (Pg 29)

- The sex of a child dependent on the 23rd pair of chromosomes (either X or Y)
 - XX = woman
 - XY = Man
- Use a Punnett square to show the probability of having a boy or girl.



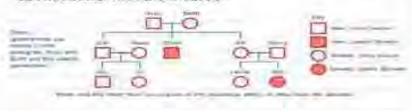
- XX = 2/4 = 50% chance girl
- XY = 2/4 = 50% chance of boy

Variation (Pg 30)

- Differences in the same species is known as variation.
- Variation can be inherited from parents (e.g. eye colour)
- Variation can be environmental (e.g. a scar or tattoo)
- Variation can be a combination of both inheritance and environment, (e.g. weight)

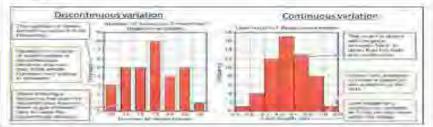
Pedigree charts (Pg 29)

- Used to track genetic disorders which can be passed from parent to child.
- Parents can be carrier of the gene that causes the disease but not suffer with the disease.



Studying variation (Pg 6)

- Data gathered can be either continuous (data can be any value in a range) or discontinuous (data can only take on a limited number of values)
- Plotted on bar graphs with differences in how each is plotted.



Mutation (Pg 30)

- Mutations are caused by changes to the original DNA code in an organism.
- Mutations can cause changes in phenotype if the code of certain genes is changed.
- These changes to specific genes bring about different alleles.
- Mostly mutation cause no change to phenotype at all.

Human Genome Project (Pg 31)

- Complete map of the human genome.
- Decoding the base pairs making up all the genes in our DNA.
- Took 13 years to complete...

Advantages

- Predicting and preventing inherited diseases (see if genes known to interact to cause like heart disease or cancer present – make changes to lifestyle accordingly)
- Testing and treatment for inherited disorders (look to see if disease exists before baby is born)
- Development of new drugs where known interactions between drugs and genes is known.

Disadvantages

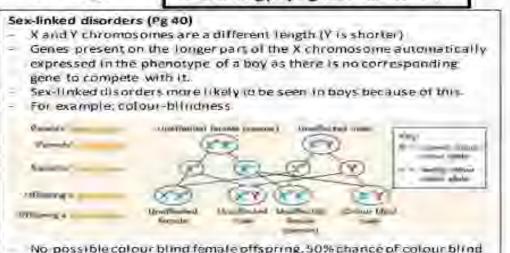
- Stress/worry (if you possess a known disease gene)
- Gene-ism (people pressured not to have a baby of they have a known gene)
- Discrimination (people with known genes prevented from getting jobs or health insurance)

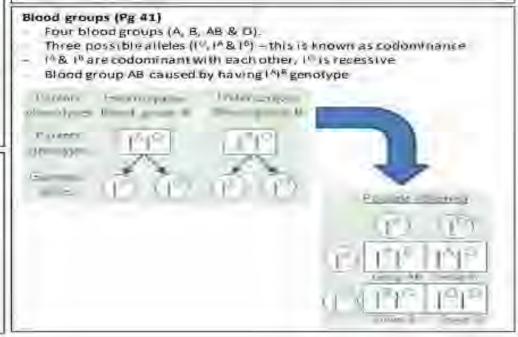
EDEXCEL 9-1 Separate Science | Biology Topic 3 - Genetics | Required Knowledge

CPG Biology: pages 36-37. 40-41.









if having a boy.

EDEXCEL 9-1 Combined Science | Biology Topic 4 - Natural Selection and Genetic Modification

CPG F & H tier: pages 32-36.

Natural Selection (p32)

- Genetic variation exists in populations because of mutations
- Selection pressures happen (competition, predation etc)
- Some individuals are better adapted to the conditions
- They are more likely to survive and reproduce 'survival of the fittest'
- The alleles causing the variation are more likely to be passed on
- Individuals less well adapted die



A population of ritre has encyed into a new area where the rocks are very dark Due to natural gemetic variation, some office are black, Willie others are lan



farr mice are more visible to predatory birds there black mice. Thus, two mice are eaten at higher frequency. than black mice. Only the surviving mice reach reproductive age and leave officing.



Because binck mice had a bluber chance of leaving effspring their tan mice. the rest generation contains a higher fraction of black mice than the pressous demeration.

Kingdom

Phylian

Dines

Order

Evidence for Evolution (p32/33/34)

- Fossils arranged in date order show gradual changes in organisms over time
- Key hominid (human-like) fossils:



- Over time the features of the fossils changed from more apelike to more human-like; arms got shorter, legs got longer, feet became adapted for walking not climbing, brain got bigger
- Tools found with the fossils of Homo species also got more complex over time (they help date fossils using carbon dating on wood or looking at depth in older rocks
- Bacteria and antibiotic resistance



Classification (p35)

- Organisms are classified (grouped) using similarities and differences
- 5 kingdom classification system Animals, plants, fungi, prokaryotes (singlecelled organisms with no nucleus, protists (single-celled organisms with a

nucleus/eukaryotes)

- Kingdoms are subdivided to smaller groups with more in common
- 3 Domain classification system
- Technology and understanding of DNA led to a new classification system with 3 large groups (prokaryote kingdom split into 2)
- Eukarya: animals, plants, fungi and protists
- Bacteria: single celled organisms with no nucleus
- Archaea: organisms which look like bacteria but have difference in DNA

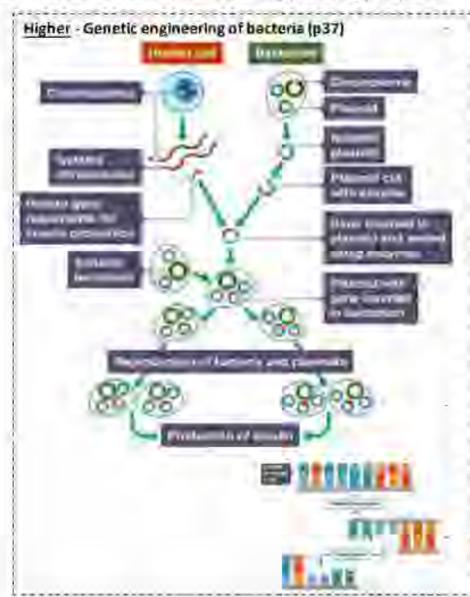
Breeds and Varieties (p35)

- Breeds = animals e.g. dog breeds
- Varieties = plants e.g. apple varieties

Selective Breeding (p36)

- Humans choose organisms with the characteristics they want
- 2. They breed them together
- They select the best of the offspring, and breed them
- Continue for several generations until all offspring have the desired characteristic
- Useful in farming e.g. producing animals with more milk or
- However, it reduces the gene pool, the best organisms are always used and they are closely relate = inbreeding which can cause health problems
- Also the lack of variation in the population means that if one organisms is affected by a new disease the others are also likely to be affected

EDEXCEL 9-1 Combined Science | Biology Topic 4 - Natural Selection and Genetic Modification | CPG F & H tier: pages 37.



Cenedic engineering changes an organisms DNA to Introduce desirable characteristics it uses vectors. (carriers). There are 2 types: Plasmids, which are circular. majerules of DNA which can be transferred between bacteria Viruses which insert DNA into the urganism the intest Laisouses 2 types of enzyme. Restriction enzyme to cut DNA atapecine pointleaving 's ticky ends' Ligase to Join preces of DNA using sticky endi-

Genetic engineering in agriculture (p37)

- Used to produce crops resistant to herbloides so weeds can be killed without killing plants
- Used to make crops resistant to insect pests to improve yields (feed a growing population) and reduce use of pesticides Concerns about effect on the organism, effect on food chains and human health and about transfer of genes out into the environment 'superweeds'
- Can produce more food in other ways to avoid these risks e.g. use of fertilisers, biological control of pests by introducing predators (although this can cause problems as they are usually non-native)

Don't forget to try the revision questions for topics 3 & 4 on page 381

¿Cuál es lu festival favorito?	What is your favourite restival
Mi festival favorito es	My favourite festival is.
La Navidad	Christmas
La Nochébuena	Constinas Eve
La Nochevieja	New Year's Eve
El día de año nuevo	New Year's Day
El día de los Reyes Magos	Three Wise Men Day
La Semana Santa	Easter / Holy Week
Las hogueras	The ponires
La feria de abril	The April fau
Dia de muertos	The day of deepre
El cumpleaños	15 rth day
El camaval	Carnival
La feria	FBIT
El día de la madre	(Wobrer's day
El día del padra	Father's day
El día festivo	Barl Hollow
El encierro	The cult running
Las fallas	Falles
Els castells	Human towers
La Tomatina	Tomato restiva

9,12 Festivals Spanish Vocab List



get up I shower I get dressen I receive presents I blow candles I put up the Christmas tree
i get dressen i receive presents i blow candles
I receive presents I blow candles
i blow candles
75 MC 2000 AUR 1 (2000 AUR 1)
Lout up the Christmas tree
THUS AN AIR SOLIMINATOR
I buy new clothes
I go to chorch
igo to the mosque
go to the square
ga to s house
., artiv∈s
We est,
We fast
We play table games
We celekrate
Have a good time
igo to bed

¿Cómo es?	How is it like?
Emocionante	Enching
Conmovedor	Moving
Divertido	Fun
Insoportable	Undearable
Impactante	Striking.

eliuo yara en ito enraciro-) Lis confida ede tumo ≧	was hoppers in the call contains / ball figuring?"		
San Fermin	A bull running festival held in Pamplona every July		
Los toros	The bulls		
Las calles	The streets		
Correi	Torun 96000		
Las corridas de toros	Bullfighting		
Los enderros	Bull running Page 1		
La plaza de toros	The bulling		

Fallas	A festival held in valencial every March
La hoguera	The bonfire
El cartón	Cardboard
Las fallas	Sculptures made of tardboard
Los fuegos artificiales	FireWarks
Los petardos	Firecrackers M
Las bandas de música	Music pands

(d)në pasa en la Tematina?	What happens in the tomaio festival?
Lagente	People .
Lanza tomates	Threvi tomatoes
Aplasta formates	Squish formattes
Se ensucia	Gets dirty
Tiene lugar en Buñol	Takes place in Build!
La batalla	The patrie
El caos	Chaoc





9.12 Geography & History Spanish Vocab List



La geografia	Geography	
El pais	The country	-
La región / la comunidad	The region	
La ciudad	The city	
El pueblo	The town/ village	
La costa	The coast	
Lāš islas	The islands	
El interior	The inland regions	

La historia	History
Castellano / Español	Spanish language
La Renonquista	Period of time when the Christian kingdoms "reconquered" the peninsula from the Muslims (Moors).
Meros	Moore – Muslim i rihabisants of modern-day Spain in
Conquistadores	Conquerors of American remittories in the LBVh century
La Colonización	Calbridation of the Americas
La Guerra Civil Española	The Spanish Civil war between 1936 and 1939
La Dictadura lascista	The fascist dictatorship in Spain between 1939 and 1975
La Transición	Transition into democracy after the dictatorship
La monarquia parlamentarla	The current political system in Spaint a parliamentary impoarchy, like in the UV

El lenguaje de todos los días	Everyday language
(Hola!	Hello
Buenos días	Good marning
Buenas tardes	Good afternaon
Buenas noches	1560d night
¿Cómo te llamas?	What's your name?
Me Itamo	My name Is
(Adios!	Θουάργε
Hasta luego / hasta la vista	See you later
Por lavor	Please
Gracias	Thank-you
Muchas gracias	Thanks a lot
De nada	You are welcome
Perdone / Perdon	Excuse me / Apologies
Lo siento	I'm sorry
¿Habla inglés?	Do you speak English?"
Hahlo un poco de español	I speak a bit of Spanish
Na entiendo	I do not understand
¿Dönde hay un buen restaurante? ¿Dönde está el sentro / la	Where is a good restaurant? Where is the centre / the
playa?	beach?
Me he perdido Busco un hotel / un hospital	I am lost I am looking for a hotel /
/ un banco Busco la estación / el	hespital / bank Lam looking for the station
aeropuerto / la parada de bus	/ airport/ bus stop
¿Me podría sacar una foto?"	Could you rate a nicture?
Cuidado!	Be careful!
Names!	Let's go'

Festivals Year 9 11 Spanish — Year-ledge Organiser

3 Time frames



The preterite tense of regular verbs is formed on an infinitive stem with the following endings:

Infinitive:	habler	com	vivi
Stem:	habl-	com-	NUA.
Yo (I)	hable	com	VIVI
Tử (you)	hablaste	comisic	P/VIIII
él/ella/usted (he/she/you)	hablo	comiú	VIV
Nosotros (We)	habilamos	comirro	VIVE
Vosotros (You all)	hablustes	comistes	VIVIATI
ellos/ustedes (They/ you all)	hablason	comiden	VIV.

Ser / Ir (To be /to go)

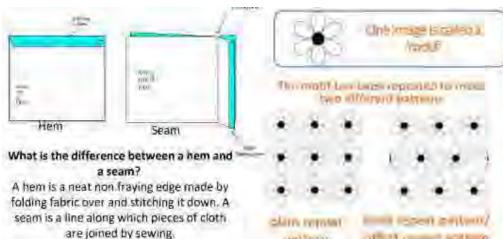
ful (I was / I went)
Fulste (You were / You went)
Fue (he/she was // he /she went)
Fulmas (we were / we went)
Fulsters (you all were / you all went)
Fueron (they were /they went)

The future tense of regular verbs is formed adding the endings e.as.a emos, eis, an to the infinitive.

- 3	PUTURE	SUMPLE	
	HAR	1	V)V0
Vo	hablar	Comer	919h
Til	hablar -	carne -	Vivir -
Ustec él, ella	hablar -	ctimer -	wish -
Nountree 44	hablar -	- otto	Vivia -
Vosning-as	hebler -	comer-	Name to -
Ustodas, allos, ellas	habiar -	Some	Wyell -

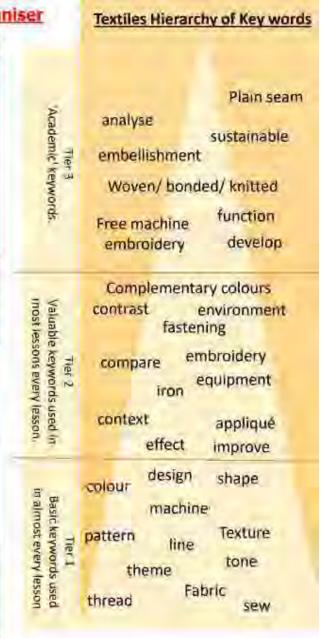
Regula	r verbs - pri	esent tense	endings		
	AR verbs	ER verbs	IR verbs		
I	0	0	d		
YOU	as	95	95		
he/stre/it	a		R.		
We	amos	emos	fmns		
γου(ρί)	āts.	des.	Th.		
they	an	en:	en		





	The state of the s				
Equipment	Ofe.				
Bobbin Day Day	A bobbin is a cylinder, to which cotton thread is wrapped around. It is found in the bottom part of a sewing machine.				
Overlocker machine	An overlocker does not replace a sewing machine. Its primary function is to clean finish a raw edge, giving the project a professional appearance				
Quick unpick	If is used to quickly remove stitches and searts.				
Tallor's chalk	Used to mark on to fabric. It is easily washed off				
Measuring Tape	It is a flexible ruler that can be used for body measurements, tailoring and dressmaking. It is flexible to measure fabric and curves of the body.				

Year 9 Textiles Knowledge Organiser **About Designers** Onla Mindy Drug Kielly as known for her proof denigns assured by his nairly childraned - the colours of the countryside and her highrig: Kery's periods work lends would be CAO for its repealing style. His original work was fixed painted using goundly. paint. Stern' is fast most learne print which costs sale of amply graphic alrength - clean, revasored and bold Kiely believes her work is never finished and can be inworked hermal times with the its satisfied with the eint of street and street LIGHTS Ashiling From this beam at the Tomingon of the Laura Anchy based. name it you first established when Laura Attiley started. printing har over damper for hand ocarvers. She worth on to design dresser for social want of the endof the 1050s. Her coasses large Victorian inscient diverses. became krapin as the Youta Ashin lock! The business expanded into monthsted ranges of furnishing fabrics using netural residences such as present and recycled paper for wallpasse



Use these in your writing and speaking

Use connectives to link each paragraph!	Explain an idea: Although Except Unless However Therefore	Sequencing: Firstly Secondly Next Finally Since Contrasting: Whereas Instead of Alternatively Otherwise Then again			
Adding to: Furthermore Also As well as Moreover	Cause and effect: Thus So Therefore Consequently				
To empathise: Above all Ultimately Especially Significantly	To compare: Likewise Equally In the same way Similarly	Give examples: Such as For example In the case of As revealed by For instance			





I think that...

The main idea is...

EXPLAIN



This means that...

Therefore...

This maybe because...

JUSTIFY



This is positive because...
This is negative because...

It is useful/not useful because...

ANALYSE



One strength is...

One weakness is...

One argument is...

EVALUATE



One advantage is...

One disadvantage is...

The best option is...

COMPARE AND CONTRAST



One similarity is...
One difference is...

On the other hand...

Sentence starter phrases

Most people would agree...

Only a fool would think...

We all know...

A sensible idea would be...

The fact is that...

Surely you would agree that...

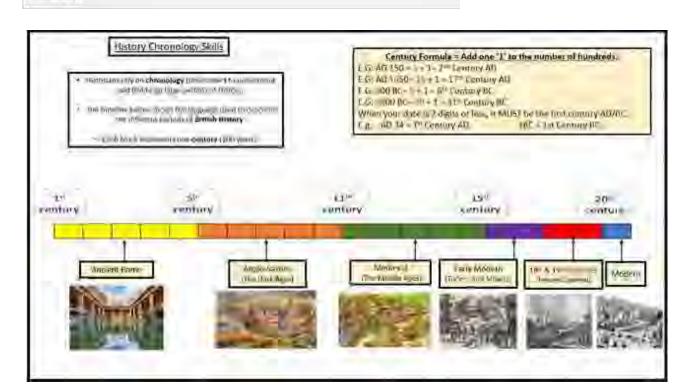
Without a doubt...

I am certain that...

Some people might argue...

However...

Also...



Use these in your writing and speaking in DT



Design and Technology Keywords

Food and Nutrition		Design and Technology	Textiles			
	Caramelisation	Carbon footprint	Plain seam			
	Aeration Amino acids	Planned Obsolescence	analyse			
	Plasticity Shortening	Iterative Design Tolerance	sustainable embellishment			
	Denaturation Coagulation	Technology Push Anthropometrics	Woven/ bonded/ knitted			
	Gelatinisation	Consumer Social Footprint	function			
	Emulsification Pasteurisation	Ergonomics Forming Processes	Free machine embroidery develop			
	Unsaturated Protein Radiation Saturated	Aesthetics Target Market	Complementary colours contrast environment			
	Carbohydrates	Properties Deciduous	fastening			
	Conduction	Coniferous	compare embroidery			
	Deficiency	Automation Functionality	equipment			
	Digest Convection	Daine and Common	iron			
	Cross-contamination	Primary Source Sustainability	context appliqué			
	Micro-organisms	Continuous Improvement	effect improve			
	Flavour Claw grip	Cost Customer	colour design shape			
	Texture Aroma	Materials Annotation	machine			
	Nutrients	Product	pattern line Texture			
	Energy	Safety	tone			
	Appearance Bridge hold	Design Environment	theme Fabric			
	Mix Smell	User Prototype	thread sew			







Sentence Starters - DT

I have designed...because

My project was about...

I found... during my research

My design is suitable for...

I have learnt how to...

The most enjoyable part of my project was....

The area I found the most challenging was...

Equipment I have used include...

I would improve my work by...

I am pleased with my finished product because...

Sentence Starters- Food and Nutrition

In order to work hygienically/safely I made sure I

I worked safely when in the kitchen by...

If I could improve any skill, I would improve...because...

Overall, I am happy/unhappy with my progress/dish because....

The texture of my dish is... this is because...

Sentence starters- Textiles

I have designed....

The context of my design is...

My research is useful because...

By researching, I am able to.....

By researching I have found out....

I researched into....

My design is suitable for.....

My design is based upon...

I have planned to..

The order I will work in is...

The most enjoyable part of m project was...

The area I found most challenging was...

I am most pleased with...

I am pleased with my finished project

because...

Equipment I used was...



The periodic table of the elements

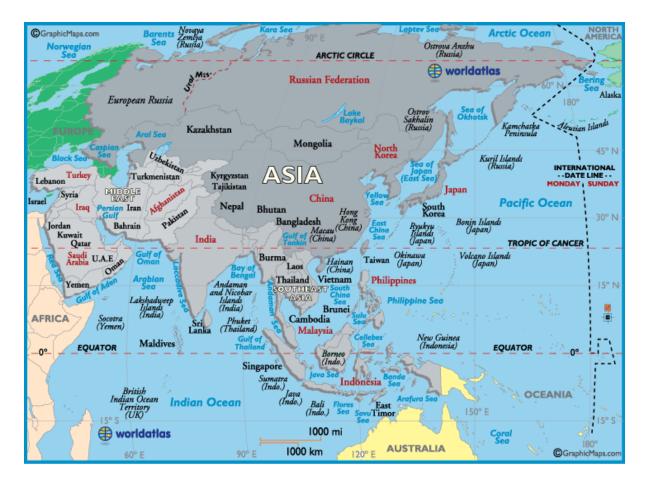
1	2			Key			H Hydrogen					3	4	.5	6	7	4 He
7 Li 2000000	9 Be teryllum 4		ato	ve atomic omic sym	bol							11 B toron 5	12 C anton	14 N ntrogen 7	16 O oxygen 8	19 F	20 Ne neon 10
23 Na modum 11	24 Mg magnestum 12											27 Al minimum 13	28 Si #20 14	31 P phosphoros 15	32 \$ **** 16	35.5 CI chierem 17	40 Ar ***********************************
39 K pozmetum 19	40 Ca caldium 20	45 Sc scandum 21	48 Ti 99mim 22	51 V stredum 23	52 Cr cr cromum 24	55 Mn 25	56 Fe	59 Co	59 Ni nicial 28	63.5 Cu 29	65 Zn arc 30	70 Ga onlian 31	73 Ge germanium 32	75 As mente 33	79 Se selsram 34	80 Br browne 35	84 Kr krypton 36
85 Rb	88 Sr stordam 38	89 Y yanum 39	91 Zr zrozniam 40	93 Nb nichum 41	96 Mo rodybarum 42	[98] Tc technetism 43	101 Ru ozoram 44	103 Rh modum 45	106 Pd paladum 46	108 Ag 47	112 Cd connum 48	115 In In Indum 49	119 Sn 50	122 Sb artimory 51	128 Te telurum 52	127 1 lodne 53	131 Xe 2010 54
133 Cs 55	137 Ba benum 56	139 La* letharum 57	178 Hf Instrum 72	181 Ta sensium 73	184 W targaten 74	186 Re mesum 75	190 Os 50076	192 Ir Indum 77	195 Pt putnum 78	197 Au gai 79	201 Hg 1180 80	204 TI haller 81	207 Pb	209 Bi 83	[209] Po potentian 84	[210] At 85	[222] Rn ***********************************

The relative atomic masses of copper and chlorine have not been rounded to the nearest whole number.

^{*} The elements with atomic numbers from 58 to 71 are omitted from this part of the periodic table.









Subject websites

These websites will help you with homework, reading around the subject and revision

English

https://www.sparknotes.com/ - Macbeth, A Christmas Carol, An Inspector Calls
https://app.senecalearning.com/ - Macbeth, A Christmas Carol, An Inspector Calls,
Power and Conflict Poetry

<u>https://www.bbc.com/bitesize</u> - *Macbeth, A Christmas Carol, An Inspector Calls*

Maths

https://corbettmaths.com/

https://vle.mathswatch.co.uk/vle/

https://www.mathspad.co.uk/

Science:

https://www.bbc.com/bitesize

https://www.senecalearning.com/

https://www.memrise.com/

Geography

Time for Geography - videos (mainly focused on physical processes)

Bitesize

Cool Geography

History

Seneca Learning

BBC bitesize - use Edexcel resources for GCSE.

Art Websites

https://www.tate.org.uk/

https://www.bbc.co.uk/bitesize/subjects/z6f3cdm

https://www.incredibleart.org/

Computer Science and IT.

www.mrahmedcomputing.co.uk

Drama

https://youtu.be/VeTpob9LBM8

https://youtu.be/wISEU13mRBE

https://www.bbc.co.uk/bitesize/guides/zsf8wmn/revision/1

DT:

http://www.mr-dt.com/

http://technologystudent.com/

https://www.senecalearning.com/

PE

https://www.bbc.com/bitesize/examspecs/ztrcg82

https://sites.google.com/view/ocrgcseperevision/home

<u>RS</u>

KS3 https://www.bbc.co.uk/bitesize/subjects/zh3rkqt

<u>Timetable</u>

Monday	Tuesday	Wednesday	Thursday	Friday
	Monday	Monday Tuesday	Monday Tuesday Wednesday	Monday Tuesday Wednesday Thursday