Year 9

Booklet 2 2024/2025

Independent Study





Name & LF:

How to Complete Independent Study

Completed IS is valued by teachers as it extends and supports the learning in lessons as well as embedding independent learning habits. It is rewarded with achievement points.

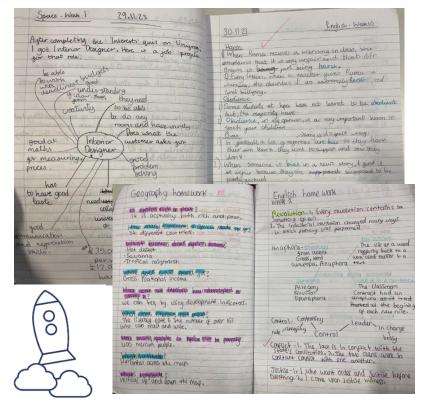
- Three pieces of IS are due each week. The schedule is included in this booklet.
- Independent study is introduced, supported and recorded by subject teachers. Further information is posted in Bromcom.
- To complete your independent study you will need this knowledge organiser and your grey,
 IS exercise book. Most IS is set using this booklet. Maths will be set online in SPARX.
- IS resources can be collected from the library. Electronic copies of the booklets are available online, on the HPA website, alongside a video explaining IS
- Compulsory IS Workshops on Tuesdays at 3pm for students who are not completing IS independently.



- Lunchtime G7 12:45-13:10 (Mrs Tuck and Prefects)
- After School LS3 15:00-15:50 (Teaching Assistants)







Completed IS is valued by teachers as it extends and supports the learning in lessons as well as embedding independent learning habits. It is rewarded with achievement points.

If students are struggling to complete IS they will be expected to attend the workshop session after school the following week to address any barriers and ensure the work is completed successfully.

Contents and Tasks

Subject	Pages	Task
Maths	6	You will need to log into your SPARX account to complete your IS. Every student needs to complete 100% of the compulsory tasks and can also complete the XP Boost and Target to support your progress. Write your bookwork codes in your IS exercise book and complete the bookwork checks online. If you get stuck, watch the associated video or check in with your maths teacher before the IS is due.
English	7-11	Write out your understanding of the definitions and create two different sentences showing your understanding of the word. However, students could also complete the following: • Challenge: Complete both the tasks above. • Extra Challenge: Using the template at the end of the booklet, create a Frayer model for one or two of the words. (Etymology= where the word comes from) • Super Challenge: Create a word map. Start with the original word in the middle and add words you associate with that word around it, then words you associate with the secondary words OR write a short story of your choice that includes the key words for the week.
Science	12-22	Complete the worksheet in the knowledge organiser booklet. 24-Feburary: Acceleration calculations (CP2d.5), 31-March : Car designs (CP2h.5), 21-April : Stored energies (CP3d.5), 19-May : Chromosomes and genes (CB3a.4), 2-June : Human evolution (CB4a.4), 21-July : Waves (CP4a.4)
Computing	23-29	Using the knowledge organiser, please answer the questions set in Bromcom
DT	30-33	For Design Tech, please draw the 3D (isometric) shape in the space provided on the sheet. keep to the lines, use a RULER and a PENCIL. For Food Tech, use the eat well plate to construct 10 knowledge recall questions.
MFL	34-43	You will have been given an IS sheet by your teacher in lesson. You need to complete the sheet using your knowledge organiser. If you do not have the sheet, you need to see your teacher before your second lesson this week to get one.
Humanities	44-54	Complete the questions in your knowledge organiser. Use the knowledge organiser to help you.
Careers	55	Your task will be set in UniFrog . You'll find your log in details in an email from UniFrog. You can use UniFrog at any time to find out more about career pathways, post-16, the local and national labour market and to find out more about about you and your skills.
Art	56	Create an A4 presentation on a Graffiti artist. Include a creative title, pictures of their work, facts about them and their work and your opinion of it. Optional: create a copy of one of their artworks. Artist suggestions will be provided before the deadline.
Music, Drama & PE	57-58	Find out about the extra-curricular opportunities available within drama and the rest of the performing arts subjects. You can find out more about clubs and performance opportunities in this booklet and from your drama teacher.

Independent Study Hand-In Schedule

The schedule below shows which pieces of independent study will be due each week. They will be checked by the teacher of the subject due in the lesson that week.

Date	Schedule		
Term 4			
	English		
24 th Feb '25	Maths		
	Science		
	English		
3 rd Mar '25	Maths		
	Humanities		
	English		
10 th Mar '25	Maths		
	MFL		
	English		
17 th Mar '25	Maths		
	DT		
	English		
24 th Mar '25	Maths		
	Computing		
	English		
31 st Mar '25	Maths		
	Science		
	Term 5		
	English		
21 st Apr '25	Maths		
	10 th Mar '25 Maths English 17 th Mar '25 Maths DT English 24 th Mar '25 Maths Computing English 31 st Mar '25 Maths Science Term 5 21 st Apr '25 Maths Science English 28 th Apr '25 Maths Humanities English Maths Humanities English Maths Humanities English Maths Humanities English Maths M		
	English		
28 th Apr '25	Maths		
	Humanities		
	English		
5 th May '25	Maths		
	MFL		
	English		
12 th May '25	Maths		
	Careers		
	English		
19 th May '25	Maths		
	Science		

Date	Schedule			
Term 6				
	English			
2 nd Jun '25	Maths			
	Science			
	English			
9 th Jun '25	Maths			
	Humanities			
	English			
16 th Jun '25	Maths			
	MFL			
	English			
23 rd Jun '25	Maths			
	Computing			
	English			
30 th Jun '25	Maths			
	Art			
	English			
7 th Jul '25	Maths			
	DT			
	English			
21 st Jul '25	Maths			
	Science			
	No IS			
28 th Jul '25	No IS			
	No IS			

Extra-Curricular		



How else can I use my Knowledge Organiser?



The Knowledge Organisers in this booklet will help you learn a wide range of knowledge to prepare you for your lessons as well as the multiple-choice tests at the end of this block of learning.

To get the most out of your Knowledge Organisers, you should be learning sections and then testing yourself. There will be set tasks each week based on the Knowledge Organisers, and there are some optional ideas below that you could try in addition to this if you wish.

Key vocabulary:

- Highlight key terms for a subject and look up the definitions
- Write a sentence using the key terms you have highlighted
- Practice spellings cover, write and check to learn the correct spellings of key terms

Quizzes/questions:

- Write some self-quizzing questions based on the information read
- Test your friends and family on their knowledge of a subject
- Get your parents/carers to ask you some questions
- Create exam style questions and then swap with a friend

Reflection:

- Before a topic rank order your confidence and then revisit at the end of the topic, rank again and consider where you have improved
- Add more detail to the Knowledge Organiser after you have been taught that topic
- Traffic light (red, amber, green) each box based on how confident you are

"Education is the passport to the future, for tomorrow belongs to those who prepare for it today. "

Malcolm X

"Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do. "

Pele

Revision:

- Create 2-3 flashcards each week based on each box
- Create a mind map showing the key information from the Knowledge Organiser
- Read ahead to develop skills, knowledge and understanding so you feel more confident before lessons

General use:

- 50 words, 30 words, 10 words summarise the information on the Knowledge Organiser from 50 words to 30 words to 10 words
- Pictionary learn the definitions then draw it for your friends/family to guess
- Elevator pitch summarise the information in a box/whole Knowledge
 Organiser for a 30 second presentation
- Generation game like the famous conveyor belt look at the Knowledge Organiser and then try to remember as many items as possible
- Key term stories write a short story using 6 key words that are found on the Knowledge Organiser
- Scavenger hunt read through the Knowledge Organiser with a friend/family member and see who can find specific information/facts first
- Read, cover, check read the box, write out what you can remember, check what you have missed (then add in purple pen)

"Sticking to good habits can be hard work, and mistakes are part of the process. Don't declare failure simply because you messed up or because you're having trouble reaching your goals.

Instead, use your mistakes as opportunities to grow stronger and become better."

Amy Morin

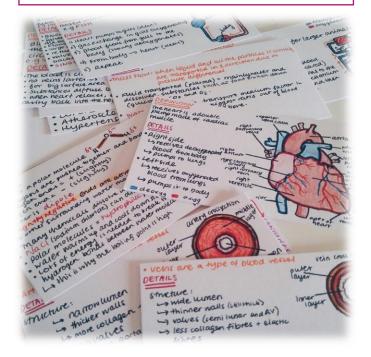
Revision Techniques

Flash Cards

Great for revising key terms and remembering definitions, dates, facts etc.

Split the page of your I.S textbook into four using a ruler or use flash cards which you can collect from the LRC and keep in your I.S folder.

Make brief notes on the information in the knowledge organiser, use colour coding and diagrams where you can to highlight key information.



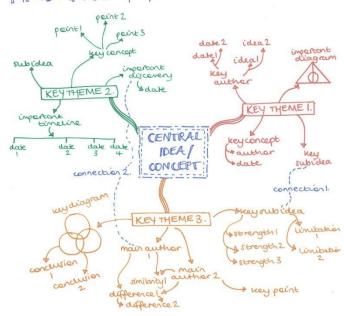
Mind Map

Great for revising if you are a visual learner, allowing you to select and link key information.

Use a full page to add as much detail as you can to your mind map, starting with a key concept or topic at the centre. Use the knowledge organisers and your own ideas.

You can use colour coding, diagrams and connections to support your learning.

MINDMAPPING GUIDE



Self-quizzing Questions

Here is a section of a Science Knowledge Organiser. You could test your grasp of this knowledge by asking yourself,

"What ions are found in acids? Acids contain hydrogen ions."

"What does corrosive mean? A corrosive acid can destroy skin cells and cause burns."

These are examples of self-quizzing questions. Write 10-20 self-quizzing questions and answers based on the subject knowledge organiser and focusing on the areas where you need to strengthen your knowledge.

2. Acids (pH 1-6)



- Acids are a family of chemicals, examples are lemon juice, vinegar and Coca Cola. There is also acid in our stomach.
- Acids contain Hydrogen (H+) ions.
- Strong acids like hydrochloric acid are very corrosive this means they destroy skin cells and cause burns.
- Weak acids like vinegar are safe to eat but are still irritant to sensitive parts of the body.

Hans Price Maths Department

All Independent Study in the Maths department is set using the following online platforms



You need to log in to your SPARX account, where there are 3 types of homework:

- Compulsory
 - XP Boost
 - Target

Every student needs to get 100% of their compulsory homework completed every week. Students need to write out the bookwork codes of each of the questions in their homework book and complete the bookwork checks online.

XP boost and Target sections are additional resources that the students can complete if they wish. They will support the students to make greater progress in Maths, but do not form part of the compulsory Independent Study.

If students get stuck on any question, they should watch the associated video to help them complete the task.

We also subscribe to Times Tables Rock Stars. We encourage students to engage with this program to ensure their foundation of knowledge is solid. We will run College competitions and award prizes to those students with the most coins.



These homework platforms are designed to consolidate your knowledge, and students at KS3 can expect this to take up to 1 hour per week.

KS3 English I.S

Your task each week is to understand the meaning of and spell correctly 5 key words.

Each student as a minimum should:

□ Create two different sentences showing your understanding of the word.

E.G.: hierarchy:

- Hierarchy is shown in A View From the Bridge through the character of Eddie.
- 2. In Romeo and Juliet, women were lower than men in hierarchy.

N.B.: You can change the tense of your word to suit your sentences.

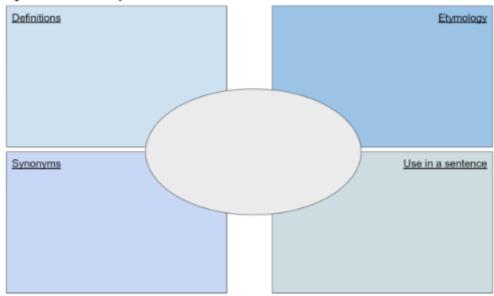
OR

 Create flashcards which display the words and their definitions written in your own words.

However, students could also complete the following:

- ☐ Challenge: Complete both the tasks above.
- Extra Challenge: Using the template at the end of the booklet, create a Frayer model for one or two of the words. (Etymology= where the word comes from)
- □ Super Challenge: Create a word map. Start with the original word in the middle and add words you associate with that word around it, then words you associate with the secondary words <u>OR</u> write a short story of your choice that includes the key words for the week.

Frayer Model Template



IS due	Words	Definition
w/c 24/02	Narrator	A person from whose perspective the story is told.
24/02	Tension	Emotional/mental strain.
	Suspense	A state of feeling excited or anxious uncertainty.
	Atmosphere	The overall feel and mood of a place or text.
	Evolution	The process of change and development over time.
w/c 03/03	Science Fiction	Stories based on an imagined future and advanced technology.
03/03	Extra-terrestrial	Something coming from a place outside of planet Earth - alien.
	Exodus	A mass departure of people.
	Futuristic	Being involved in modern technology/coming from a place in the future.
	Colonialism	The practice of taking over land.
w/c 10/03	Imperialism	The practice of taking over land using military force.
10,03	Juxtaposition	Two things placed closely together with a contrasting effect.
	Allusion	Hinting or making an indirect reference.
	Imagery	The use of figurative language (similes, metaphors) to create an image.
	Rhetoric	The art of speaking - giving speeches.
w/c 17/03	Conflict	A serious disagreement or argument.
17,03	Dystopia	An imagined place where everything is unpleasant.
	Utopia	An imagined place where everything is perfect.
	Connotations	What you associate with certain words and what they make you think of.
	Semantic Field	A group of words that are linked by meaning and form a pattern in a text.
w/c 24/03	Authority	The power or right to give orders.
24/03	Power	The ability to influence the behaviour of others.
	Colonialism	The practice of taking over land.
	Empire	A group of countries ruled by a single Government.
	Exploitation	Treating someone unfairly to benefit personally - taking advantage of someone.

IS due	Words	Definition
w/c	Archetype	A typical example of something.
31/03	Omniscient	Knowing everything.
	Nonsensical	Having no meaning - making no sense.
	Dysfunctional	Not operating normally or properly.
	Catastrophe	An event causing great damage or suffering.
w/c 21/04	Tragedy	A play with sad events.
21/04	Ghetto	Part of a city, especially a slum area, occupied by a minority group.
	Context	The circumstances surrounding a text.
	Usury	The practice of lending money with high interest rates.
	Merchant	A buyer and seller - trades goods for money.
w/c 28/04	Antisemitic	A strong hatred of Jewish people.
20/04	Patriarchy	A society where men hold positions of power and women are largely excluded from them.
	Fatal	Causing death.
	Hamartia	A fatal flaw.
	Soliloquy	When a character speaks their thoughts aloud on stage regardless of whether anyone can hear.
w/c 05/05	Monologue	An extended speech made by one character.
03/03	Aside	A comment made by a character on stage only intended for the audience to hear.
	Prejudice	A preconceived opinion - pre-judging someone.
	Discrimination	Unjust treatment of others.
	Xenophobia	Extreme dislike of people from other countries.
w/c 12/05	Motif	A recurring image in a text.
12/03	Mercy	Forgiveness.
	Revenge	Hurting someone in return for a wrong suffered.
	Dramatic Irony	When the audience knows more than the characters on stage.
	Symbolism	The use of symbols/images to represent ideas.

IS due	Words	Definition
w/c 19/05	Stage Directions	A set of instructions in a play, telling the actor how to move, speak etc.
	Foreshadowing	Hints and clues of a future event.
	Wrath	Extreme anger.
	Elopement	To run away to secretly get married.
	Stereotype	A widely held view of someone or a particular fixed idea of someone.
w/c 02/06	Casket	A small decorative box or coffin.
02/06	Persecution	Poor treatment of people usually due to ethnicity or religion.
	Rhetorical Questions	A question which does not need an answer.
	Rhetoric	The art of public speaking - giving speeches.
	Prejudice	A preconceived opinion - pre-judging someone.
w/c 09/06	Orator	A powerful speaker.
09/00	Directives	Words or phrases aimed at the audience.
	Cur	An aggressive, unkempt dog.
	Gratis	Without fee or charge.
	Mercy	Forgiveness.
w/c 16/06	Materialism	The belief that having money and possessions is the most important thing.
	Motif	A recurring image in a text.
	Usury	The practice of lending money with high interest rates.
	Soliloquy	When a character speaks their thoughts aloud on stage regardless of whether anyone can hear.
	Hamartia	A fatal flaw.
w/c 23/06	Hostility	Unfriendly behaviour towards someone.
25,00	Colonialism	The practice of taking over land.
	Tragedy	A play with sad events.
	Stage Directions	A set of instructions in a play, telling the actor how to move, speak etc.
	Patriarchy	A society where men hold positions of power and women are largely excluded from them.

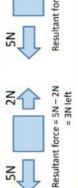
IS due	Words	Definition
w/c 30/06	Imagery	The use of figurative language (similes, metaphors) to create an image.
	Conflict	A serious disagreement or argument.
	Merchant	A buyer and seller - trades goods for money.
	Mercy	Forgiveness.
	Gratis	Without fee or charge.
w/c 07/07	Rhetoric	The art of speaking - giving speeches.
07/07	Tension	Emotional/mental strain.
	Suspense	A state of feeling excited or anxious uncertainty.
	Stage Directions	A set of instructions in a play, telling the actor how to move, speak etc.
	Stereotype	A widely held view of someone or a particular fixed idea of someone.
w/c 14/07	Persecution	Poor treatment of people usually due to ethnicity or religion.
14/07	Context	The circumstances surrounding a text.
	Theme	A recurring idea in a text.
	Symbolism	The use of symbols/images to represent ideas.
	Connotations	What you associate with certain words and what they make you think of.

1. Resultant Forces

Free body diagrams are drawn to represent the forces acting on an The resultant force is the overall effect of all the forces acting on object. The length of the arrow represents the size of the force. an object.

To calculate resultant force:

- Subtract forces acting in opposite directions Add forces acting in the same direction



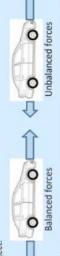
Resultant force = 5N - 5N

NO =

2. Newton's first law

"A stationary object will remain at rest unless an external force "A moving object will continue to move at the same speed and direction unless an external force acts on it." acts on it."

Unbalanced forces change the speed and/or direction of an If the resultant force is not 0N = unbalanced forces If the resultant force is ON = balanced forces





5. Newton's third law

"Balanced forces act on the same object. Action-reaction forces

act on 2 different objects."

Action reaction forces are always the same size and in opposite

directions. They are also the same type of force (push or pull).

3. Mass and Weight

Mass is the quantity of matter there is in an object. Mass is measured in kilograms (kg).

Weight is a force so is measured in Newtons depends on the size of gravity.

Weight is a measure of the pull of gravity on an object. This

Weight can be calculated by multiplying the mass by the

Weight (N) = mass (kg) x gravitational field strength (N/kg) gravitational field strength.

What is the weight of a 90kg astronaut on the surface of Earth. Earth has a gravitational field strength of 10N/kg. 90kg x 10N/kg = 900 N

4. Newton's second law

"Acceleration depends on the size of the force and the mass of an object."

The force needed to accelerate a particular object can be calculated using the equation:

The momentum of an object depends on its mass and its velocity.

Momentum is calculated using the following equation:

Momentum = mass x velocity

(kg)

(kg m/s)

Momentum is a measure of the tendency of an object to keep

6. Momentum (H)

moving - or how hard it is to stop it moving.

Force = mass x acceleration (m/s₂) (kg) 2

What force is needed to give it an acceleration of 7m/s²? A motorcycle has a mass of 200kg.

When moving objects collide, the total momentum of both objects

is the same before the collision as it is after the collision.

This is called conservation of momentum.

200 kg x 7m/s2 = 1400N

7. Stopping Distances

CP2 FORCES & MOTION

stopping before they press the brakes to actually stop the vehicle. In order to stop a moving vehicle, the driver has to think about

Stopping distance = thinking distance + braking distance E E

E

A drivers reaction time will affect thinking. Some factors that affect the distance travelled whilst reaction time include:

dependent on friction. Some factors

that affect the braking distance The braking distance of a car is

> Distractions Tiredness Alcohol Drugs

Hans Price

Road conditions Brake conditions Tyre conditions

Mass include:

STOP

8. Crash Hazards

In a car crash, the vehicles come to a stop very quickly in a short amount of time.

Slowing down is deceleration (negative acceleration).

Large decelerations can cause injury and unfortunately in some instances, death! Modern cars have several safety features to reduce the size of the force on the driver and passengers.

dog to the right and The rope pulls the the dog pulls the

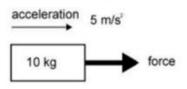
rope to the left.

- Crumple zones
 - Seat belts
 - Air bags



Name _____ Class ____ Date 24th February

1 What are the resultant forces acting on these objects?

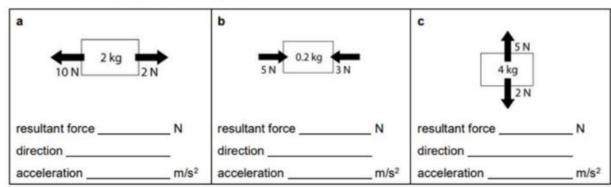


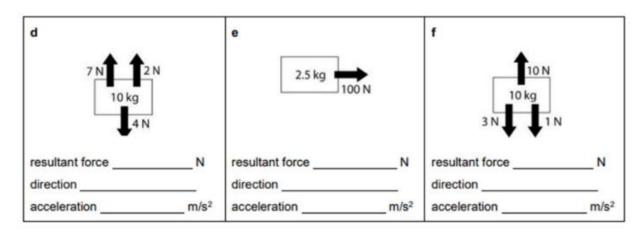
Force (N) =
$$\frac{\text{Mass(kg)}}{\text{Acceleration (m/s}^2)}$$

a An object of mass 10 kg accelerating at 5 m/s2.

_____N

- b mass 15 kg, acceleration 5 m/s² _____N
- c mass 20 kg, acceleration 8 m/s²
- d mass 16 kg, acceleration 10 m/s² _____N
- 2 Complete these sentences using the words 'greater' or 'smaller'.
 - a For objects of the same mass, a larger resultant force will give a ______ acceleration.
 - b For the same resultant force, the more massive the object, the ______ the acceleration.
- 3 For each of the following diagrams:
 - · calculate the resultant force
 - give the direction of the resultant force
 - calculate the acceleration of the object.





Edexcel GCSE (9-1)

CP2h.5

Car designs - Homework 1

Nam	e		Class_		Date	31st March	
	nanufacturers of the team to develop		ked their Soil	fit brakes that of increase the for	erials to reduce a can produce a rce the engine	ce the mass of the car greater braking force	
These		ect the performa	ance of the car (its ac	celeration and b	oraking), and	some will also affect its	
1 Cr	ross out the inco	rrect words to de	escribe some of the	effects these cha	anges will hav	e.	
sta	If there are no other changes, reducing the mass of the car will (increase/decrease) its acceleration when it starts to move. It will (increase/decrease) its stopping distance at a particular speed, and will (increase/decrease) the force on the car in a collision.						
Th	ne increased force	e from the engi	ne will (increase/decr	ease) the car's	maximum acc	eleration.	
	ne increased forceed.	e from the brak	es will (increase/decr	ease) the car's	stopping dista	nce at a particular	
tin	ne it takes the ca	r to come to a s	nple zone in the fron stop in a collision will	be (longer/short	er), so the de	celeration will be	
(g	reater/smaller). A	A (greater/small	er) deceleration mear	ns the forces on	the car will b	e (larger/smaller).	
fo		s to explain wh	ty if the passengers i y this is so, using wo			s. Complete the e each word once, mor	
	acceleration greater	airbag helmets	crumple zone seat belts	decelerate smaller	force velocity	forces	
	/hen a car is in a		from the inside	ne collision mak	e it	These can	

A ______increases the time it takes for a car to come to a stop. If the passengers are not wearing ______ there is no force on them to make them ______, so they continue to

They continue to move forwards until they hit something, such as the dashboard or steering wheel. This puts a ______ on them that makes them stop. The deceleration when they hit the dashboard is

much _____ than the deceleration of the car itself, so the forces on them are also___

move with the same _____ as before.

Energy stores

Energy is needed to make things happen or change. It is scalar quantity measured in Joules (J).

Chemical (food, fuel and batteries)

H

- Kinetic (moving objects)
- Thermal (hot objects)



- Elastic potential (stretched, squashed or twisted objects)
- Gravitational potential (objects in high positions)
- Nuclear (inside atoms)

9



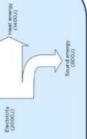
Energy efficiency

useful stores such as the thermal energy. This energy is dissipated. The law of conservation of energy states that energy cannot be created or destroyed. Sometimes energy is transferred to less



transfer of energy. This Sankey diagram shows the energy Sankey diagrams show the transfer in a kettle.

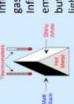
Efficiency = useful energy total energy



5. Radiation

Energy can be transferred by radiation.

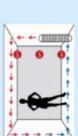
Infrared and ultraviolet radiation from the Sun travel through a vacuum (an area with no particles) before reaching Earth's atmosphere.



4. Convection

Energy can be transferred by convection.

convection currents and explains why an entire room heats As particles in the liquid or gas state gain energy, they become less dense and start to rise. This generates up despite only having one radiator on one wall.



6. Stored Energies

then transferred to kinetic energy if the object falls towards Earth Objects stored at a height have the potential to fall. This is known as gravitational potential energy (GPE). This potential energy is due to the force of gravity. If no energy is wasted GPE=KE.

(velocity) ²
×
Mass (kg)
×
1/2
п
Kinetic energy (J)

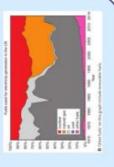
7. Non-renewable Energy Sources

CP3 CONSERVATION OF ENERGY

energy which are finite. This means they will run out one day. They include fossil fuels (coal, oil and natural gas) as well as nuclear fuel Non-renewable resources are those that generate electrical (uranium).

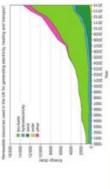
which contribute to climate change. As coal is the most damaging its use has been Fossil fuels release carbon reduced in recent years. greenhouse gases dioxide and other

Hans Price

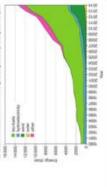


8. Renewable Energy Sources

renewable sources can have an environmental cost to install them. environment as they produce less greenhouse gases. However, Renewable resources are those that generate electrical energy that will not run out. They are generally better for the 900 hydroelectricity, wi use of these have nd and solar. The They include biofuels.



increased in recent



3. Conduction

Energy can be transferred by conduction.

Conduction involves the transfer of energy in solids between neighbouring particles.



Metals are good thermal conductors and are said to have high thermal conductivity.

These are examples of thermal insulators which have a Wood and plastic are poor thermal conductors. low thermal conductivity.

Infrared radiation can travel through emitted easily by dull, dark surfaces but absorbed and emitted poorly by Infrared radiation is absorbed and gases and some solid materials. ight, shiny surfaces.

Edexcel GCSE (9-1)

5 Stored energies – Homework 1

Date Class Name

A post driver is a tool used to drive fence posts into the ground. It is a hollow tube with a closed top. It has handles on the side. The person using the tool fits it over the fence post then lifts it up and allows it to drop onto the post.

1 A post driver has a mass of 10 kg. Calculate the change in gravitational potential energy (GPE) stored when the post driver is lifted by 50 cm above the post, as shown in the diagram. The gravitational field strength on Earth is 10 N/kg.

50 cm = ____ m

ΔGPE =	kg ×	N/kg ×	m

ΔGPE = _____J

post driver 50 cm fence post

2 Calculate the change in GPE stored when a 15 kg post driver is lifted by 70 cm.

ΔGPE = J

- 3 A 10 kg post driver is moving at 2 m/s just before it hits the fence post.
 - a Calculate the kinetic energy (KE) stored in the moving post driver.

KE = ½ × _____ kg × (____ m/s)²

KE = m/s

b How much GPE was the post driver storing just before it was dropped? Explain your answer.

c Calculate the height from which this post driver was dropped onto the post.

change in vertical height (m) = ----

___kg × ___

height = _____ m

4 A post driver is storing 22.5 J of KE when it is moving at 3 m/s. Calculate the mass of the post driver.

1/2 × (_____ m/s)²

mass = kg

 ΔGPE = change in gravitational potential energy (J)

m = mass(kg)

g = gravitational field strength (N/kg)

 Δh = change in vertical height (m)

KE = kinetic energy (J)

v = speed (m/s)

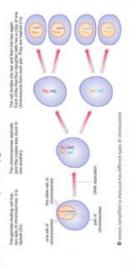
 $\Delta GPE = m \times g \times \Delta h$

$$KE = \frac{1}{2} \times m \times v^2$$

Pearson Education Ltd 2016. Copying permitted for purchasing institution only. This material is not copyright free.

1. Meiosis

haploid, genetically unidentical sex cells (gametes). These meiosis. Mitosis produces 2 genetically identical, diploid There are two types of cell division called mitosis and body cells for growth and repair. Meiosis produces 4 fuse to form a diploid zygote after fertilisation.



CB3 Genetics

4. Extracting DNA

Aim: Describe how to extract DNA from a fruit

2.Mix a teaspoon of salt and small volume of washing 1.Peel the skin from half a kiwi fruit and mash it up. 3.Gently heat this mixture at about 60°C for five up liquid and pineapple juice into the fruit. minutes.

4. Filter the mixture and retain only the filtrate (the 5.Cool using an ice bath and gently pour chilled filtered liquid).

ethanol onto the top of the filtrate.

Remove cell/nuclear Salt: Breaks the cell washing up liquid Pineapple juice membrane wall

DNA so we can see it To precipitate the Enzymes to break Chilled ethanol apart proteins

7. Inheritance (sex determination)

A Punnett square shows the possible outcomes for the sex of a baby.

lamata XX

an XX chromosome (two X alleles). chromosome (an X allele and a Y allele). Female (body) cells have Male (body) cells have an XY

The boses show the post combinations in the offsp

outcomes: XX (girl) or XY (boy). So 50% chance of a baby being male The completed punnett square shows that there are 2 possible The egg cell can only have an X chromosome. or female.

The sperm then either has an X chromosome or a Y chromosome

8. Inheritance (characteristics)

A Punnett square can also be used to

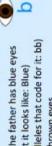
Genotype (the alleles that code for it: bb) In this example the father has blue eyes Phenotype (what it looks like: Blue)

The mother has brown eyes

If the dominant (B) allele is used, then the baby will have brown eyes

If both recessive (b) allele is used, then the baby will have blue eyes

look at characteristics of a baby.



Phenotype (brown) genotype (Bb).

As the mother's genotype is 8b we call this heterozygous. The fathers genotype bb is homozygous recessive.

different alieles of

the same gene

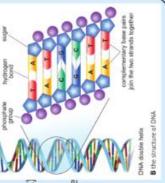
different genes

B Each gene can exist in a number of

different forms called alleles.

2. Structure of DNA Double helix

Thymine (T), Cytosine (C) the complementary base pairings (A with T and G There are four bases in The image shows how with C). Each base pair weak hydrogen bonds. is held together with DNA: Adenine (A), and Guanine (G).



5. Alleles

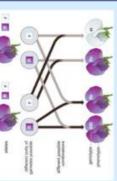
an allele. A certain allele can We have two copies of each chromosome. Each gene on or different (heterozygous). each chromosome is called be the same (homozygous)

- Chromosomes of the same type are the same size and have the same genes in the same

be used if the other allele is letter or recessive (will only also recessive) represented represented by a capital dominant (this one will Each allele can also be as a lower case letter. always be used)

Haploid and diploid cells

fertilisation, a diploid zygote is meiosis, only one of the alleles is used. When the sperm and alleles - one from the father and one from the mother). Gametes are haploid, only produced (now with both the egg come together in chromosome. When the carrying one set of the gametes are made in



9. Variation

Some of the variation between individuals of the same species is the result alleles inherited during sexual reproduction. Different alleles are produced are affected by their surroundings. For example, how well a plant grows is by mutations, some of which cause changes in the phenotype. However, of variation in their genes. Genetic variation is caused by the different many characteristics also show environmental variation, because they affected by how much light, water and nutrients it gets.



3. DNA code

The cell's nucleus contains Chromosomes

threads of DNA, which are made chromosomes. These are long up of many genes.

Genes

particular sequence of amino acids which produces a specific protein. Genes are inherited down different generations. A gene is a small section of DNA. Each gene codes for a



Edexcel GCSE (9-1) Sciences

CB3a.4

Chromosomes and genes Homework 1

May
ber of omes in body
sis.
to
(1n).
_(,
ifferent.
ell will
1

1. The Theory of Natural Selection

Charles Darwin studied populations of species and made the following observations:

- there is variation in organisms of same species.
 - parents pass on characteristics to offspring.
- organisms have to compete for resources and avoid being eaten.

Below are the main stages of the theory, with reference From his observations he devised the Theory of Natural Selection: the idea that populations change over time. to antibiotic resistance in bacteria.

GENETIC VARIATION – within the population, some have a mutation which gives them antibiotic resistance.

ENVIRONMENT – the bacteria are exposed to antibiotics. NATURAL SELECTION – those with the resistance survive and reproduce.

INHERITANCE – the gene for antibiotic resistance is passed on to the bacteria's offspring when they reproduce.

EVOLUTION – over many generations, all individuals in the population have antibiotic resistance.

(C) Hans Proce

CB4 Natural Selection

Carl Linnaeus developed the five-kingdom system. The genus and species form the scientific name of

the species.

Organisms are grouped based on their features.

3. Classification

select the plant or animals that are going to breed, Selective breeding is when humans artificially 5. Selective Breeding (The state of the

We choose characteristics that are useful depending on the genes. or attractive:

- Cows which produce lots of milk
- Plants that don't get many diseases
 - Dogs which are friendly

Process of Selective Breeding

- 1. choose parents with the desired characteristic from a mixed population e.g. the cow with the biggest muscle mass
- 2.They are bred together
- 3.From the offspring those with the desired characteristic are bred together.
- 4. This continues over many generations until all the offspring show the desired characteristic.

analysis, which groups archaea and eukaryota as more similar, based on sections of unused genes. system. This is based on evidence from genetic Carl Woese, who developed the three-domain Classification systems have continued to be developed by other scientists, such as

6. Genetic Engineering

Eukarya Archaea

4. Phylogenetic Trees

Scientists believe humans have changed over time.

2. Evidence of Human Evolution

Phylogenetic trees are

used to show the diversification of

species during

evolution.

into another organism, so that it also has the a desired characteristic from one organism Artificial transfer of a gene responsible for desired characteristic.

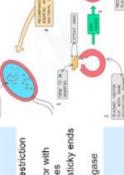
Examples of genetic engineering:

- Golden Rice rice that contains beta-carotene
 - Bacteria containing the human insulin gene. The stages of genetically engineering:





- Cut plasmid vector with restriction enzymes
- Complementary sticky ends
 - Join DNA using ligase



The depth of rock they were found in tells us when they Other evidence for human evolution is stone tools. They were used for activities such as hunting.

were used. Rocks that were found in younger rock are

more specialised, suggesting a higher level of

intelligence.

/ears ago common ancestor. phylogenetic tree, archaea share a more recent eukarya and From this

billions of

Nowadays

1.6 million years old

4.4 million years old ong legs Short arms

walking than climbing Arched feet 3.2 million years old

better for

Short legs Climbing feet

Long arms

Edexcel GCSE (9-1)

Sciences

CB4a.4

Human evolution Homework 1

Name Class Date 2 nd Ju				
1	Use the information in parts a-c below	w to add binomial names to the	correct places in the diagram.	
	Present		# Homo sapiens 195 000 years ago	
	1 million years ago		to present	
	2 million years ago	Homo habilis ('handy 2.4 to 1.4 million year	man')	
	3 million years ago	1		
	4 million years ago			
	5 million years ago			
	a Australopithecus afarensis was ar	ancestor of modern humans th	nat lived 3.9 to 3.0 million years ago.	
	b A fossil of Ardipithecus ramidus ha	as been dated as 4.4 million yea	ars old.	
	c Fossils show that Homo erectus w	vas found throughout Asia 1.8 to	0.5 million years ago.	
2	Which two species in the diagram live	ed at the same time?		
3	Some of these species have nicknam nickname for Ardipithecus ramidus to	The state of the s	ucy'. Add the nickname 'Lucy' and the	
4	What is the binomial name for modern	n-day humans?		
5	Name two human-like species discov	ered by scientists with the surna	ame Leakey.	
6	Describe one way human-like species	s changed over time that we car	tell from fossils.	
7	Some scientists think that the species one reason why scientists cannot be		into each other. Others disagree. Give of the species that led to humans.	
8	What does the way stone tools used	by human-like species changed	suggest about human evolution?	

1. Waves

Waves transfer energy from one place to another. They do not transfer particles or matter.

Wave frequency is the number of waves passing a point each second. It is second. For sound, the wave frequency determines the pitch (how high or measured in hertz (Hz). A frequency of 1 hertz means 1 wave passing per low it sounds) and for light the frequency determines the colour.

The period is the length of time it takes one wave to pass a given point. The wavelength of a wave is the distance from a point on one wave to a point in the same position on the next wave, measured in metres.

away from its rest position, measured in metres. The greater the amplitude The amplitude of a wave is the maximum distance of a point on the wave of a sound wave, the louder the sound. The velocity of a wave is the speed of the wave in the direction it is travelling. Waves travel at different speeds in different materials.

Transverse waves

in transverse waves, the vibrations are at

direction of energy right angles to the

transfer.

4. Calculating wave speed

Worked example W1

A surfer travels 52 m on the front of a wave in 8s. Calculate the wave speed

to travel a certain distance. For example, if you stand in front of a large wall You can find the speed of sound by measuring the time it takes for a sound you can measure the time it takes for an echo of a loud sound to reach you.

Measuring the speed of waves

takes for a wave to travel between two fixed points such as buoys. The speed One way of measuring the speed of waves on water is to measure the time it The speed can be calculated using the speed, time, distance equation.

can be calculated from the time and the distance between the points.

wave speed = distance time

= 6.5 m/s wave speed = $\frac{52 \text{ m}}{8 \text{ s}}$

calculating the speed of moving calculated from the distance it travels in a certain time. This is the same equation we use for The speed of a wave can be objects.

speed (m/s) = distance (m)

CP4 Waves

7. Investigating waves



MANELENGTH

electromagnetic waves - eg light waves,

seismic (Earthquake) S-waves

microwaves, radio waves

ripples on the surface of water

vibrations in a guitar string

Examples of transverse waves include:

5. Calculating wave speed (again)

The wave speed is linked to the wave frequency and wavelength by this equation. wave speed (m/s) = frequency (Hz) × wavelength (m)

Particles in the material through which the wave is travelling move backwards

and forwards as the wave passes.

In longitudinal waves,

the vibrations are parallel to the direction of energy

transfer.

direction of sound waves

Sound waves also transfer energy. Sound waves are longitudinal waves

3. Longitudinal waves

Worked example WZ

= 0.5 Hz × 13 m

 $V = f \times \lambda$

Some waves have a wavelength of 13 m and a frequency of 0.5 Hz. Calculate their speed.

6.5 m/s

8. Refraction

Suggend a metal roof horizontally using clamp stands and ruther
 Fit one end of the roof with a harmers yield a smartphone with frequency app eour the rod and note down the peak frequency.

Vegruning waves in solids

Relik too points on the same rulgs of the ripple tank as the rul Measure the distance between year points. Use the stopwarth out how long it takes a wave to go front one mask to the other.

A Set up a ripple bask with a straight dipper near one side of the Foston a raler to one of the adjacent sides so you can see its.

 View the current to the motor until you get waves with a wave about half as long as the rippin tank to you can always see to Count how many waves are formed in 10 seconds and write it. Look at the serves against the rule: Use the markings on the to estimate the wavelength of the waves. Use the wavelengs frequency to calculate the speed of the waves.

refraction. When a wave goes through a more dense Most waves travel in straight lines. However, waves different medium. The change in direction is called material the wave slows down and therefore can change direction when they move into a changes direction

Edexcel GCSE (9-1)

Sciences

CP4a.4

Describing waves Homework 1

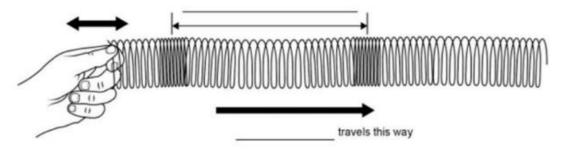
Name Class Date 21st July

1 The diagrams show a Slinky spring being used to model different kinds of wave.

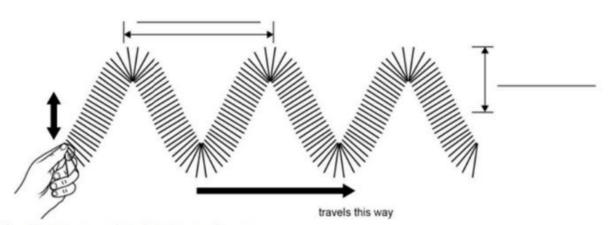
Label the diagrams using words from the box. You can use each word once, more than once, or not at all.

a _____wave

amplitude	energy	frequency	longitudinal	
particles	period	transverse	wavelength	



b wave



- 2 Give two examples of each type of wave.
 - a longitudinal (i)
- (ii) _____
- b transverse (i)
- The sentences below all contain mistakes. Make changes to correct the mistakes.

longitudinal

and forwards

(ii)

- a In a transverse wave, the particles move backwards in the same direction as the wave is travelling.
- b Waves transfer energy and matter.
- c The amplitude of a transverse wave is the distance from the top to the bottom of the wave.
- d The frequency of a wave is the time it takes for one complete wave to go past.
- e The period of a wave is measured in hertz.

Methods of Prevention and Detection

Firewall

- Controls which programs can send or receive data packets from your computer or network.
- Stops intruders/unauthorised users from accessing your computer system.
- Only trusted programs should be allowed to send and receive data packets.



Antivirus

- · Scans your computer periodically for malware.
- Quarantines malware so that it doesn't spread to other files or computers.
- · You need to scan all downloads and email attachments before opening
- Needs to be <u>updated</u> regularly in order to keep up to date with the latest threats.



Encryption

- Scrambles data packets using a cipher so that they cannot be read by unauthorised
- · You need a key to decrypt the data packets so that they can be read.
- · Websites which require you to send personal information should be encrypted (HTTPS).
- WiFi connections should also be encrypted to stop unauthorised users from accessing your network.



Passwords

- Needs to be at least 8 characters long.
- Should include UPPERCASE, lowercase, numbers and Symbols (e.g. 15@-).
- Stops unauthorised users from accessing your account/profile and changing/deleting/stealing your files.



Knowledge Organiser: System Security Threats

System Security

System security is concerned with the protection of computer systems, computer networks and data. Its purpose is to:

- to protect computers and networks from cyberattacks
- to prevent unauthorised access to computers
- to protect computers against damage caused by malicious
- to prevent data from being stolen
- to protect against the disruption of services running on the computer



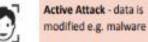












Inside Attack- by someone within the organisation

Forms of Attack

Passive Attack - data is

monitored e.g. wiretap

Outside Attack - by an illegitimate, external user

Brute-force Attack - when all possible password combinations are systematically tried, with the hope of getting it right.

Denial-of-Service Attack (DoS) - when a network resource becomes deliberately overloaded ("flooded") with unnecessary requests, preventing it from responding normally.

Distributed-Denial-of-Service Attack (DDoS) - when the requests come from many sources so you cannot just block a single IP address.

Structure Query Language (SQL) Injection - when a website is linked to a database and allows a user to enter information, it makes it possible for malicious code to be entered into a website form, in order to modify the SQL statement being executed. This will result in unauthorised access to the SQL database and the hacker will able to modify, delete or add data.

Malware is software that has been purposely developed to damage, disrupt or take control of computer systems.

Social engineering techniques manipulate people into giving away confidential and personal information.

Types of Malware

Computer viruses – insert themselves in normal programs. Viruses can replicate themselves and transfer from one computer to another. They are activated by a user often as email attachments and attachment to other files and programs.

Trojan gains access to a computer by pretending to be legitimate software. The trojan allows unauthorised backdoor access to a computer without the user being aware.

Spyware records the activity on your computer such as your keystrokes, thereby logging your passwords for instance and then sending the data back over the network to the attack instigator. Spyware can also be used to control your webcam and microphone.

Adware includes banners and popups that are automatically installed onto a computer. Whilst this does not cause any damage, adware is undesirable and can slow down the performance of a computer.

Worms spread like viruses but do not require human intervention. They attach themselves to network tools to spread automatically around a network very quickly.







Who are the "bad guys"?



Types of Social Engineering

Blagging (Pretexting) Fraudsters make up a scenario to con victims into revealing something they would not ordinarily do. They may have found out some personal information about you from social media sites, to pretend they already know you.

Phishing Normally an email or text messaging scam where victims are conned into believing that they are being contacted by an authentic organisation (e.g. by their bank) and can give sensitive personal details (such as bank account passwords).

Pharming Users are redirected to a fraudulent website that they believe to be genuine because it looks like the real site. For instance, you could be directed to a site that pretends to be an online store which asks you for your credit card information.

Shoulder surfing Fraudsters look over the shoulder of users to see what passwords or PIN numbers are being typed into the device. This can easily occur at computer terminals and at ATMs that are out in the street.

Knowledge Organiser: Detection and Prevention of System Security Threats



Brute Force Attack

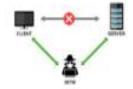
Brute-force Attack can be prevented by:

- Using strong passwords
- Locking accounts after a certain number of login attempts
- Using 2 step verification (e.g. a code sent to mobile phone to confirm identity)

Passive Attacks (Data Interception)

Passive attacks can be detected and prevented by:

- Using encryption
- Using network forensics
- Using penetration testing



Malware

MALWARE

Malware can be detected and prevented by:

- Running anti-malware software regularly
- NOT downloading software from unknown sources
- NOT clicking on unknown links
- Scanning downloaded files before opening them
- NOT using removable media (e.g. a USB drive) as they may contain malware
- Using automatic software updates: up-to-date software will include patches for known vulnerabilities and up-to-date anti-malware uses the most current database of threats.



Denial-of-Service Attack (DoS & DDoS)

Denial-of-Service Attack (DoS) and Distributed
Denial-of-Service Attack (DDoS) - can be prevented by:

 Using a firewall to control which programs can send and receive data packets, so that only authorised users & trusted programs can access the network.







Social Engineering Threats

Social engineering threats can be detected and prevented by:

- Creating user access levels
- Using an effective network policy
- Ensuring users have strong passwords
- Using biometric identification measures
- Installing physical security (e.g. locked rooms)
- Ensuring user privacy settings on any social media are set to maximum so that attackers cannot find information about users (e.g. date of birth, address)
- Ensuring user awareness of unsolicited texts, emails and phone calls. Users should not give personal, confidential information away
- Applying email filtering to prevent suspect emails getting through.
- Ensuring that users check the URL in the website address.
- Using a website filter
- Ensuring users are aware of who is around them when they are typing in their password.



Structured Query Language (SQL) Injection

Structure Query Language (SQL) Injection - can be detected and prevented by:

- Using penetration testing to check for vulnerabilities in the SQL code and report back
- Validating user input so that the website form will not accept SQL statements or characters
- Escaping input strings so that any SQL characters are ignored when processing the input from a website form
- Using only prepared statements to restrict the SQL that can be executed. The input data from a website form can only be used by previously prepared SQL statements, which are processed separately to the input data







What is Network Forensics?

Network forensics is the capturing, recording and analysis of network traffic to discover attacks. This can be done using packet sniffing software and web server logs which show when data was accessed.



Key Terms Explained



What is Penetration Testing?

Penetration testing is used to identify possible weaknesses in a network's security by trying to exploit them. The results are then reported back and any weaknesses are fixed.

A white box penetration test is used to simulate an inside attack where the attacker may have some knowledge of the system and basic credentials.

A black box penetration test is used to simulate an outside attack (i.e. hacker)



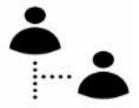
What is Encryption?

Encryption scrambles the data packets being sent and received across the network or outside the network so that unauthorised users cannot access personal information without the encryption key.



What is a Network Policy?

A network policy is a set of rules and procedures that an organisation will follow to ensure their network is protected against attacks. An effective network policy will encrypt sensitive data, have an acceptable use policy, install ant-malware and install a firewall. The policy will also enforce the use of strong passwords that are changed regularly and will enforce the regular testing of the network for weaknesses.



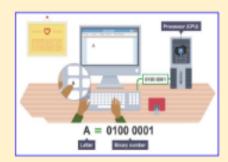
What are User Access Levels?

User access levels control which part of the network users can access. User access levels are used to limit the number of people with access to important data, helping to prevent inside attacks on the network.

Representing Characters

Why is text represented as a binary number?

Computers don't understand letters and numbers the way that we do. Everything in a computer is represented by an electrical signal which can be in one of two states: on or off. These two states (on and off) can be represented by two numbers (1 and 0). This means that we must represent all information, including text, as a binary number (made up of 1s and 0s). So we came up with standard systems for representing each character as a binary number. One standard system for representing characters is ASCII Code and another is Unicode



ASCII Code

ASCII stands for American Standard Code for Information Interchange. Originally, ASCII Code represented each character as a binary number with 8 binary digits (8 bits). That's a binary number, made up of 8 values and each value will be either 1 or 0. For example, 1000001. So ASCII Code can represent 256 different characters (28).

- the letter 'a' has the binary number 0110 0001
- the letter 'b' has the binary number 0110 0010
- the letter 'c' has the binary number 0110 0011

Character Set

Characters are grouped together to form a character set. The character set is all the characters that a computer understands and can display. A character set includes:

- letters and numbers
- symbols (*, &, : etc.)
- ✓ control characters (e.g. Shift, Escape)

Unicode

Unicode was created to allow more characters to be represented. This allowed emoticons and characters from languages other than English to be represented. Unicode uses 16 bits to represent each character (65,536 different characters: 2¹⁶) and adapted versions of Unicode now use up to 32 bits.

Representing Images

An image is made up of **pixels**. Each **pixel** will have a colour and the **higher the number of colours** that you want to use, the **higher the number of bits** you will need to represent each colour.

The **resolution** of the image is the number of **pixels per inch** that we use to display an image. The higher the resolution the **better the picture quality** but the **larger the file size**





The number of bits needed to represent an image is called the colour depth. The greater the colour depth, the greater the number of colours and the better the image quality...

...but the **more bits** we use for each pixel, the **larger the image file size** because each bit takes up space in the file

Binary Digit Values

Each binary digit has a denary value depending on which column it is in. So it can be converted to a number in our (denary) number system.



128	64	32	16	8	4	2	1
0	0	0	0	1	0	1	0

We just add the numbers together of all columns with a 1 in. So, this number has a denary value of 8 + 2 = 10

Adding Binary Numbers

When two numbers that are less than 10 are added together in denary, sometimes we need two columns, two numbers to write the answer.

For example 7 + 5

7

5

12

The same is true in binary...

...but in binary, there are four rules that need to be followed. Here are the rules...

$$0 + 0 = 0$$

$$1 + 0 = 1$$

$$1 + 1 = 0$$
 (carry the one)

$$1 + 1 + 1 = 1$$
 (carry the one)

Converting Hex Digits to Denary

Method

a) Split the hex value

 b) Work out the nibble for each hex value. If it is a letter, then you will need to know the denary value.

c) Join the 2 nibbles and add them to 8 bits in a table

128

d)Add the denary number values of the table

F	8

8	4	2	1
1	1	1	1

1	8	4	2	1
1	1	0	0	0

248

128							
1	1	1	1	1	0	0	0

(Base 10)	(Base 16)
0	0
1	1
2	2
5	5
4	4
5	5
6	6
7	7
8	8
9	9
10	A
11	В
12	С
13	D
14	E .
15	F

Converting Denary Numbers to Hex

Method

a)Convert the denary number to binary 248

128							
1	1	1	1	1	0	0	0

 b) Split the binary number into two nibbles and work out the hex value of each nibble

8	4	2	1
1	1	1	1

		3	
8	4	2	1
1	0	0	0

c)Join the hex digits together

F8

Denary (Base 10)	Hexadecimal (Base 16)
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
.9	9
10	A
11	В
12	c
18	D
14	E
15	F

Converting Binary to Hex

Method

a) Split into nibbles!

0011 1011

b) Work out each nibble as a hex value.

8	4	2	1
0	0	1	1

2+1=3

8	4	2	1
1	0	1	1

8+2+1=11

11 is B in hexadecimal

c) Join the 2 hex values together to get your answer!

3B

(pase To)	(Dase 10)
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	A
11	В
12	¢
15	D
14	E
15	F
Answer	s on nevt slide

Hexadecimal

Denary

Answers on next slide Don't cheat!

Converting Hex Digits to Binary

Method

a) Split the hex value

b) Work out the nibble for each hex value. If it is a letter, then you will need to know the denary value.

c) Join the 2 nibbles to get your answer!

8

8	4	2	1
1	1	1	1

 1
 8
 4
 2

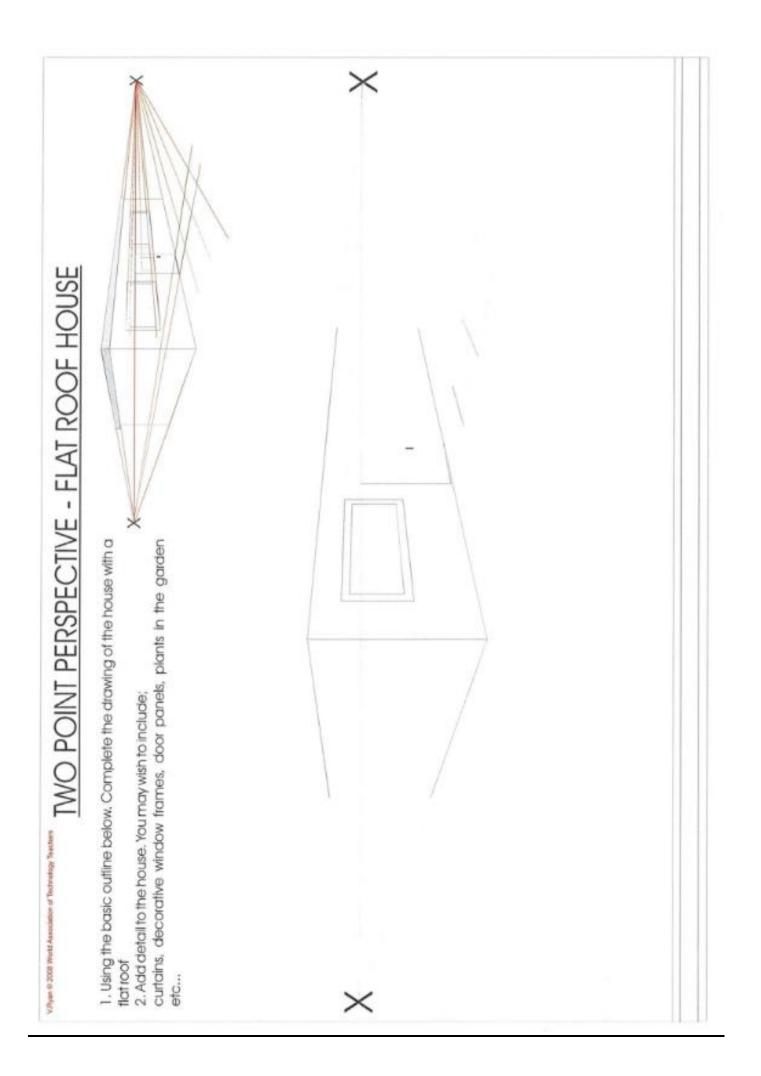
 1
 0
 0

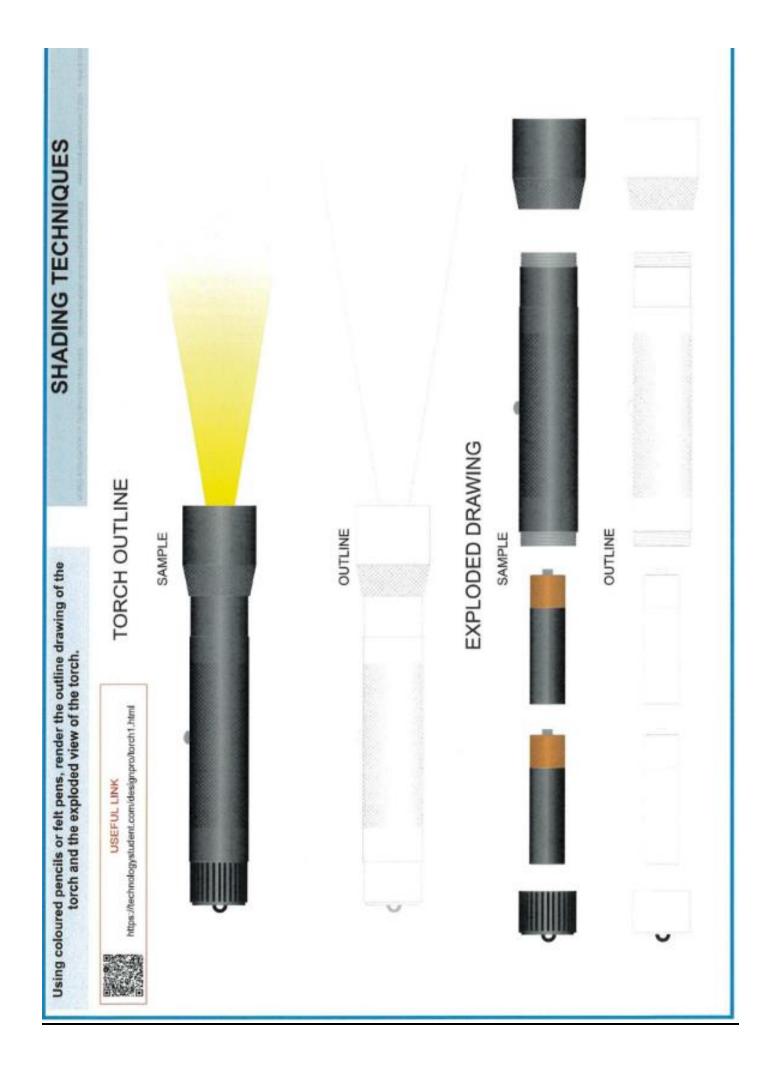
1

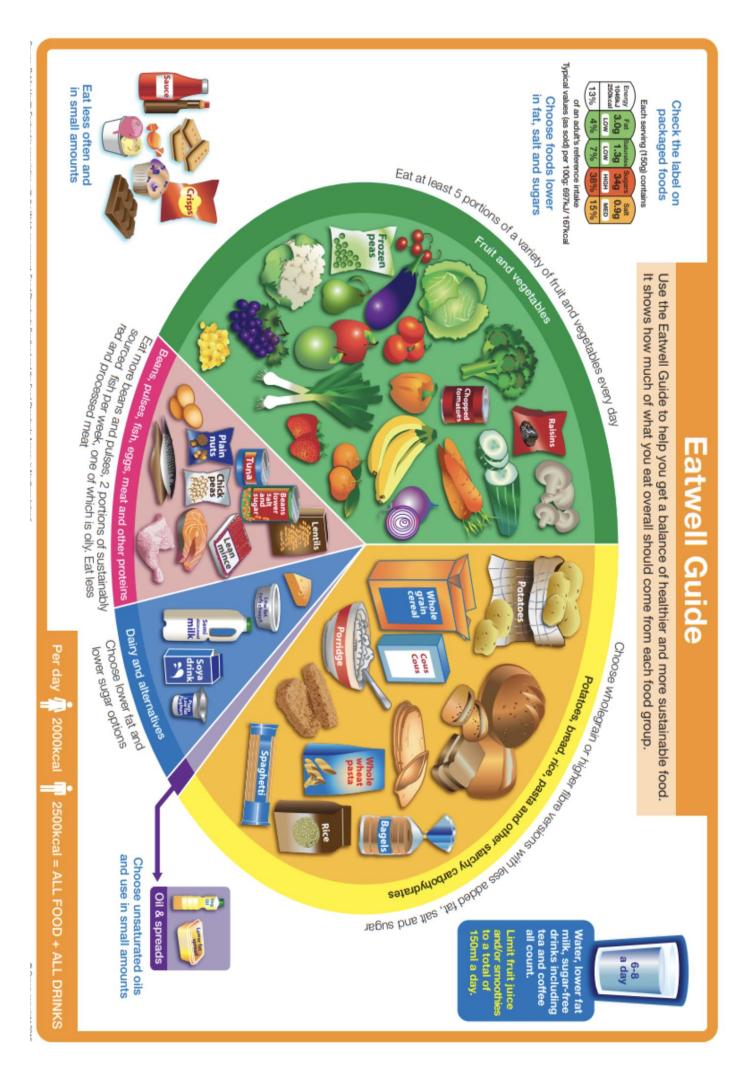
F is 15 in denary

<u> 11111000</u>

(Base 10)	(Base 16)
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	А
11	В
12	С
13	D
14	E
15	F







9.12 Festivals and Culture



Listening check-list

Before I listen ...

- 1. read the exercise carefully, paying attention to the instructions and pictures
- think of possible words, phrases and ideas I might hear
- think about how these words and phrases would be pronounced think of the different ways certain phrases could be expressed
- While I listen, pay attention to...
- 5. repetition or paraphrase
- 6. time marker phrases
- 7. the questions and tasks that go with the passage
- 8. all the things I predicted (questions, vocabulary, possible answers)

While I listen, I work out any words I don't know by...

- 9. using the words I understand to get the general meaning of the passage first
- 10. listening to words that come before or after the unknown word
- 11. using my general knowledge to think about what the unknown word might logically mean
- 12. listening to what comes later in the passage for further clues, or to check whether the unknown word does in fact mean what I think it means
- 13. using what I know about sentence structure to work out what kind of word it is (noun, adjective, verb)
- 14. thinking whether the unknown word is like a word I know in English or French/German/Spanish, and then checking whether that meaning would make sense

Reading – Top tips

- Read the introduction to the question carefully. This will help you to give sensible answers. Look for titles.
- Answer every question, especially where you have to write a letter. If in doubt, have a guess.
- Read the whole of the sentence so that you can check that your first reaction is make sure that the correct answer is not in fact 'P and N' (positive and negative). right. If you think the answer is 'P' (positive) for example, read on in the text to
- answer as well as the right answer.

Do not copy whole chunks of the text because you might include the wrong

If you are asked to give one reason or one detail, only give one.

VOCABULARY IS KEY!

Look through the vocab lists and try to refresh your memory of as much ocabulary as possible.

Translation - Top tips

- Read the whole sentence/paragraph first.
- Chunk the sentences e.g. I play / videogames / in my bedroom.
- Highlight what you don't know.
- Be as ACCURATE as you can.
- What are you being tested on, look out for different time markers.
 - Make sure you reread your translation, does it make sense?

Knowledge Organiser 9.11 My school



School – Subjects, uniform and time Future plans & jobs

	_			
The present tense	ER verb	IR verb	RE verb	The future tense in French
(I)	-e	-is	-5	Use part of the verb ALLER and the infinitive
ty (you)	-es	-is	-5	Ce soir ie vais iouer au tennis. This evenina l
II/Elle/On (he/she/one)	е	1j-	1	Demain, Paul va faire un gâteau. Tomorrow
Nous (we)	-ons	-issons	-ons	You can also use the following phrases with
Vous (you all)	zə-	-issez	- ez	Je voudrais = I would like J'aimerais = I would like
Ils /Elles (they)	-ent	-issent	-ent	J'espère = I hope L'ai L'intention de = I intend / I am planning

tense in French

the verb ALLER and the infinitive to say what you are going to do. about the future by using the near future tense.

ıl va faire un gâteau. Tomorrow Paul is going to make a cake. iis jouer au tennis. This evening I am going to play tennis.

use the following phrases with an infinitive to refer to the future. = I would like I would like hope

Adjectives describe nouns e.g., a <u>black</u> blazer.

In French, adjectives normally go after the words they are describing e.g., une chemise bleue (a blue shirt) and they must agree with the noun they are describing.

Adjectives must agree with the noun (or pronoun) they describe in gender and in number.

This means that if the noun an adjective describes is feminine, the adjective must be feminine e.g., une veste noire (a black blazer).

If that same noun is also plural, the adjective will be feminine AND plural as well e.g., les chaussettes noires (black socks).

Comparatives – to express more or less than

- ... est plus + adjective + que is more...adjective...than
- ... est moins + adjective + que is less...adjective... than
- ... est aussi + adjective + que is as...adjective...as

For example:

L'anglais est plus intéressant que la géographie. (English is more interesting than Geography) Le français est aussi difficile que les maths. (French is as difficult as maths). L'histoire est moins amusant que L'E.P.S. (History is less fun than PE)

9.11 My School Life – Vocabulary List	ıbulary List	Qu'est-ce que tu en penses?	What do you think of it?	Comment est ton	What is your school
Les matières	School subjects	C'est/Ce n'est pas	It is/It is not	Uniforme scolatice:	UUUO(U) UKEE
1/2000/1	1	Intéressant (e)	Interesting	Je polite	Voll milet wear
Langiais	English	Pratique	Practical	ii idut poi tei	A blozor finckot
Ľespagnol	Spanish	Utile/inutile	Useful/not useful	one vestey un piazei	A Diazer/Jacket
Le francais	French	Facile/Difficile	Easy/difficult	on pull	A Jumper
~~~~		Ennuyeux (se) /barbant (e)	Boring	Olle Cilellinae	Atchirt
Le theatre	Drama	Passionnant (e)	Exciting	Oli t-Sillit	A tis
Le dessin	Art	Créatif (ye)	Creative	Une cravate	Atle
Sand J Town	L	Important (e)	Important	adní aun	Askirt
Le sport / ILEPS	PE	Tron	Too	Des chaussettes	Socks
L'informatique	Computer Science	Très		Un pantalon	Trousers
				Des chaussures	Shoes
L'éducation civique	PSHE	Asset	\dulie \d	Il Un collant	Tights
La technologie	Technology	nad un	A Dit (a iittie)	Un hijab	Hijab
1 or mothomothems	Matha	Qu'est-ce que tu xoudrais faire	What would you like to do in the	Moche	Ugly
sanbinellialinelli san	SUIRIN	dans le futur?	future?	Beau/belle	Beautiful
Les sciences	Science	Je vais	I am going	(In)confortable	(un)comfortable
Les sciences humaines	Humanities	Je voudrais/L'aimerais	I would like	Cher	Expensive
www.www.www		Réussir mes examens	To pass my exams	Pas cher/bon marché	Not expensive/cheap
Quelles sont les règles?	What are the rules?	Receyoir des bonnes notes	To get good results	À la mode	Fashionable
On doit / On ne doit pas	You must / You must not	Faire un apprentissage	To do an apprenticeship	La journée scolaire	The school day
On peut / On ne peut pas	You can / You can not	Chercher du travail	To search for a job	Je gwitte la maison	I leave the house
faut	You must	Faire du bénévolat	To do voluntary work	Je vais au collège	I go to school
Il est interdit de/d'	It is forbidden to	Voyager <u>autour</u> du monde	To travel the world	Les cours commencent à	Lessons start at
Écouter en classe	(to) listen in class	Avoir des enfants	To have children	Les cours terminent à	Lessons end at
Utiliser son portable	(to) use your phone in class	me mazier	To marry	Ça dure	It lasts
Porter des bijoux	(to) wear jewellery	Apprendre à conduire	To learn to drive	La récréation	Breaktime
Porter du maguillage	(to) wear make-up	Devenir	To become	L'heure du déjeuner	Lunchtime
Porter des baskets	(to) wear trainers	Médecin/Veterinaire	A doctor/a vet	Le matin	The morning
Manguer les cours	(to) miss lessons	Professeur/Avocat(e)	A teacher/a lawyer	Ľaprès-midi	The afternoon
Étre à l'heure	(to) be on time	Mécanicien(ne)/Plombier(lière)	A mechanic/a plumber	Le <u>soir</u>	The evening
Mâcher du chewing-gum	(to) chew chewing-gum	Pompier (jère)	A firefighter	Un élève	A pupil
Faire ses devoirs	(to) do homework	Coiffeur(euse)	A hairdresser	Un prof	A teacher

	e fift of the claim.	West is usur faceurity			Les nhrases/verhes du nassé	Dhrases/verhs in the past
	anar es ra mano	Wriat is your lavourite	0 10 Factivale		The state of the s	
	préférée?	festival	3.12 res	LIVAIS	L'année dernière	Last year
	Ma fôto prófóróo ost	My favoritite fectivalis	0// doco.	+0:1 dea	Le mois dernier	Last month
		The second secon	FIEITCH VOCAD LIST	Cab List	Avant hier	The day before yesterday
-41	Le No <u>ë</u> j	Christmas	¿Qu'est-ce gu'on fait pour	What do we do to celebrate?	La semaine dernière	Last week
•	Lo Dánaillea do Noël	Christman Dua	célébrer?		Hier	Xesterday
<b>)</b> :	re vevejijoji de nogi	CIIIISIIIIAS EVE	Je me lève	l get up	Dans le passé	In the past
6	La Saint-Sylvestre	New Year's Eve	Je me douche	l shower	Quand i'avais ans	When I was years old
Ø			Je m'habille	I get dressed	l'été dernier	Last summer
N/S	Le Nouvel An	New Year's Day	Je reçois des cadeaux	I receive presents	reie delillel	rast sallillel
-			l'éteins des bougies	I blow candles out	Ľhiver dernier	Last winter
Ð	Le Divali	Divali	le décore l'arbre de Noël	I decorate the Christmas tree	ll y a (deux ans)	ago (two years)
9	Påques	Easter		I hiv new clothes	Le weekend dernier	Last weekend
ooofooo	lo Dandibba	Lonithoh	vêtements		Je sujs allé(e)	l went
<b>₩</b>	DAVAGO TO THE TOTAL THE TOTAL TO THE TOTAL TOTAL TO THE T	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Je vais à l'église	I go to church	J'aj célébré	I celebrated
3	ĽAÏĄ	Eid	Je vais à la mosquée	I go to the mosque	ťaj mangé	l ate
J	Target action of	April Coolle don	Je vais à la place	I go to the square	J'aj bu	I drank
0	re premier aviji	April roots day	Je vais à la maison de	I go to's house	J'ai ouvert	l opened
-1	L'anniversaire	Birthdav	arrive	arrives	C'était	- H
<b>\$(i)</b>	20000000000000000000000000000000000000		Nous mangeons	We eat	X-State	IL WdS
क्ट्र	Le premier <u>mai</u>	May day	Nous jeûnons	We fast	Les phrases/verbes du futur	Phrases/yerbs in the future
Mo	10- 61	+	Nous jouons des jeux de société	We play board games	L'année prochaine	Next year
	une <u>rete</u>	Party	Nous célébrons	We celebrate	Le mois prochain	Next month
C	La fête des Mères	Mother's day	Je m'amuse bien	I have a good time	Après demain	The day after tomorrow
S			Je regarde des feux d'artifices	I watch the fireworks	Demain	Tomorrow
gg%	La tete de la musique	Music festival	Je vais au Jit	I go to bed	La semaine prochaine	Next week
ا و م	Un jour férié	Bank Holiday	Je me couche	I go to sleep	Dans le f <u>utur</u> / à <u>l'avenir</u>	In the future
<b>*</b>			C'est comment?	How is it like?	Quand Laurais ans	When I will be years old
8	re manage/res moces	Marriage/wedding	passionnant	Exciting	<u>Ľété</u> prochain	Next summer
ď	Le 14 juillet	Bastille Day	inoubliable	unforgetable	Je <u>vais aller</u>	I am going to go
3	La Saint-Valentin	Valentine/c day	amusant	Fun	Je <u>vais</u> célébrer	I am going to celebrate
•		X90500004X 994	insupportable	Unbearable	Ľai Ľintention de manger	l intend to eat
8	Le <u>Mardi</u> Gras	Shrove Tuesday	Un <u>désastre</u>	A disaster	Je voudrais/j'aimerais boire	I would like to drink
)°	_	_	_			





32. Una camiseta 33. Una corbata

Computer Science

7. La informática

8. La música

6. El deporte

Technology Geography

9. La tecnología 10. La geografía

Music

History

La historia
 La religion

34. Una falda

31. Una çamişa

PE At

4. El teatro

30. Un jersey

29. Una chaqueta

28. Llevo...

Cuál es tu asignatura favorita? What is your favourite subject?

El juglés
 El español
 El francés

Spanish

French

35. Unos calcetines 36. Unos pantalones

Shoes	Tights	What is your school uniforme like?	It is	Ugly	Pretty	(un) comfortable	Expensive	Cheap	Fashionable	Unfashionable
37. Unos zapatos	38. Unas medias	¿Cómo es tu uniforme escolar?	39. Es	40. <u>F</u> go	41. Bonito	42. (in) <u>cómodo</u>	43. Caro	44. Barato	45. De moda	46. Pasado de moda

What is your opinion?

Interesting

18. Interesante

17. Es

19. Práctico

Practical

Useless

21. foutil 22. Fácil 23. Diffeil

20.Útil

Useful

Difficult

Easy

Humanities

16. Las humanidades ¿Cuál es tu opinión?

Science

Maths

14. Las matemáticas

15. Las ciencias

PSHE

13. La educación personal y

social

The school day	I Jeays home	I go to school	Classes start	Classes end	It lasts	Break	Lunch	In the morning	In the afternoon
La jornada escolar	47. Salgo de casa	48. Voy al insti	49. Las clases empiezan	50. Las clases terminan	51. Dura	52. El recreo	53. La hora de comer	54. Por la mañana	55.Por la tarde

Important

27. Importante

Creative

Exciting

25.Emocionante

24. Aburrido

26. Creativo

Boring

Cuales son las reglas?	What are the rules?
b. (no) se debe	You must(p,t)
7. (no) se puede	You can('t)
8. Hay que	You have to
9. Está prohibido	It is forbidden
0. Escuchar en clase	Jo listen in class
<ol> <li>Usar el móvil en clase</li> </ol>	To use your phone in class
2. Llevar joyas	To wear jewellery
3. Llevar maquillaje	To wear make up
4. Llevar zapatillas de deporte	Jo wear trainers
<ol><li>Dañar las instalaciones</li></ol>	To damage the facilities
6. Respetar el turno de palabra	To wait your turn to speak
7. Comer chicle	To chew gum
8. Hacer los deberes	To do homework
¿Qué quieres hacer en el futuro?	What do you want to do in the future?
69. Quiero / Me gystaría	I want / I would like
70. Aprobar mis exámenes	To pass my exams
71. Sacar buenas notas	To get good grades
72. Hacer un aprendizaje	To do an apprenticeship
73. Buscar trabajo	To look for a job
74. Trabajar como voluntario	To work as a volunteer
75. Viajar por el mundo	To travel the world
76. Tener hijos	To have children
77. Casarme	To get married
78. Aprender a conducir	To learn how to drive
79. ¿Qué vas a ser en el futuro?	What are you going to be in the future?
80. Voy a ser	I am going to be
81. Médico/a	Doctor
82. Profesor(a)	Teacher
83. Abogado/a	Lawyer
84. Mecánico	Mechanic
85. Fontanero	Plumber
86. Bombero	Firefighter
87. Veterinario	Vet
88. Peluauero	Hairdresser

Š		
	Ĩ	
	st	
	J.	
	aprilg	
	Voca	
	ife –	
	Sch	
	È	

	TOTAL STATE OF
¿Cuál es tu asignatura	What is your favourite
favorita?	subject?
田 El inglés	English
モ El español	Spanish
El francés	French
W El teatro	Drama
S El dibujo	Art
🐌 El deporte	P.E.
J La informática	I.C.T. (Computer Studies)
🗗 La música	Music
🕦 La tecnología	D.T.
🕮 La geografía	Geography
La historía	History
La religion	R.S. (Religious Studies)
🕾 La educación personal y	P.S.H.E (Health and Wellbeing)

social	,
H Las matemáticas	Maths
Las ciencias	Science
¿Cuáles son las replas?	What are the rules

¿Cuáles son las reglas?	What are the rules?
Se debe / no se debe	You must / You must not
Se puede / no se puede	You can / You can not
Hay que	You must
Está prohibido	It is forbidden to
Escuchar en clase	(to) listen in class
Usar el móvil en clase	(to) use your phone in class
Llevar joyas	(to) wear jewellery
Llevar maquillaje	(to) wear make-up
Llevar zapatillas de	(to) wear trainers
denorte	

¿Cuáles son las reglas?	What are the rules?	Aprobar mis
Se debe / no se debe	You must / You must not	Sacar buenas
Se puede / no se puede	You can / You can not	Hacer un apr
Hay que	You must	Buscar traba
Está prohibido	It is forbidden to	Trabajar com
Escuchar en clase	(to) listen in class	Viajar por el
Usar el móvil en clase	(to) use your phone in class	Tener hijos
Llevar joyas	(to) wear jewellery	Casarme
Llevar maquillaje	(to) wear make-up	Aprender a c
Llevar zapatillas de	(to) wear trainers	Médico/a
deporte		Profesor(a)
Dañar las instalaciones	(to) damage the facilities	Mecánico
Ser punctual	(to) be on time	Bombero
Comer chicle	(to) chew chewing-gum	Peluquero
Hacer los deberes	(to) do homework	

¿Cuál es tu opinión?	What is your opinión?
Es / no es	It is/It is not
interesante	Interesting
Práctico	Practical ( )
Útil / Ínutil	Useful/not useful
Fácil / Difícil	Easy/difficult
Aburrido	Boring 🖰 U
Emocionante	Exciting
Creativo	Creative
Importante	Important
demasiado	Too
muy	Very Very
bastante	Quite 🖷 U
Un poco	A bit (a little)

Qué quieres hacer en	What do you want to do in the
futuro?	future?
oy a	I am going
le gustaría / Quiero	I would like / I want
probar mis exámenes	To pass my exams
acar buenas notas	To get good results
acer un aprendizaje	To do an apprenticeship
uscar trabajo	To search for a job
rabajar como voluntario	To do voluntary work
iajar por el mundo	To travel the world
ener hijos	To have children
asarme	To marry
prender a conducir	To learn to drive
1édico/a Veterinario	A doctor/a vet
rofesor(a) Abogado/a	A teacher/a lawyer
Necánico Fontanero	A mechanic/a plumber
ombero	A firefighter
eluquero	A hairdresser

colar The school day	leave the house	I go to school	piezan Lessons start	minan Lessons end	It lasts	Breaktime	mer Lunchtime	a The morning	The afternoon
La jornada escolar	Salgo de casa	Voy al insti	Las clases empiezan	Las clases terminan	Dura	El recreo	La hora de comer	Por la mañana	Por la tarde

# 9.11 My school Knowledge Organiser

School – Subjects, uniform and time Future plans & jobs



# The future tense in Spanish

IR verb

ER verb

AR verb

The present tense

You can talk about the future by using the near future tense.
Use part of the verb IR + a + the infinitive to say what you are going to do.

Este tarde yoy a jugar al tenis. This evening I am going to play tennis. Mañana Paul ya a hacer un pastel. Tomorrow Paul is going to make a cake.

You can also use the following phrases with an infinitive to refer to the

future.

Quiero = I want

-imos

-emos

-amos

nosotros/as (we)

Š

èis

-áis

vosotros/as (you all)

ģ

ě

-as

tu (you)

(E) ØX

Ψ

ψ

ģ

él/ella (he/she)

o

o

o

Me gustaría = I would like Quisiera = I would like

-en Espero = I hope

돲

-an

ellos/ellas (they)

Adjectives describe nouns e.g. a <u>black</u> blazer.

In Spanish, adjectives normally go after the words they are describing e.g. una camisa azul (a blue shirt) and they have to agree with the noun they are describing.

Adjectives must agree with the noun (or pronoun) they describe in gender and in number.

This means that if the noun an adjective describes is feminine, the adjective must be feminine e.g. una chaqueta negra (a black blazer).

If that same noun is also plural, the adjective will be feminine AND plural as well e.g. las medias negras (black tights).

# Comparatives – to express more or less than

... es más...adjective...que - is more...adjective...than

... es menos ...adjective ....que - is less...adjective... than

... es tan...adjective....como – is as...adjective...as

# For example:

El inglés es **más** interesante **que** la geografía. (English is more interesting than Geography)

La historia es menos activa que la educación física. (History is less active than PE)

El francés es tan difiil como las matemáticas. (French is as difficult as maths).





# 3 Time frames

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

nfinitive:       hablar       comer       vivir         o(I)       hable       comf       vivir         o(I)       hable       comf       vivir         ú (you)       hablaste       comiste       viviste         l/ella/usted (he/she/you)       habla       comió       viviró         losotros (We)       hablasteis       comimos       vivimos         osotros (You all)       hablasteis       comisteis       vivisteis         llos/ustedes (They/ you all)       hablaron       comisteis       vivieron
vivir vivi viviste vivió vivimos vivisteis

fui (I was / Fuiste (You Fue (he/she Fuisteis (you Fuisteis (you Fueron (the	fui (I was / I went)  Fuiste (You were / You went)  Fue (he/she was // he /she went)  Fuimos (we were / we went)  Fuisteis (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.

	<b>FUTURE SIMPLE</b>	IMPLE	
Person		Verbs	
	Habiar	Comer	Vivir
Yo	hablar - é	comer - ė	vivir - é
Tú	hablar - as	comer - as	vivir - as
Usted, él, ella	hablar - å	comer - â	vivir - â
Nosotros-as	hablar - emos	comer - emos	vivir - emos
Vosotros-as	hablar - éis	comer - éis	vivir - éis
Ustedes, ellos, ellas hablar - ân	hablar - ân	comer - án	vivir - an

Regula	r verbs – pre	sent tense	endings
	AR verbs ER verbs IR verb	ER verbs	IR verbs
	0	0	0
no/	as	es	es
ne/she/it	8	9	e
we	amos	emos	imos
you(pl)	áis	éis	ís
hey	an	en	en



favorito?	Wnat is your ravourite festival	9.12 Festivals	4	¿Qué pasa en los encierros / las corridas de toros ?	What happens in the bull running / bull fighting?
Mi festival favorito es	es My favourite festival is	Spanish Vocab List	St Cabot Learning Federation	San <u>Fermín</u>	A bull running festival held in Pamplona every July
La Navidad	Christmas	os para celebrar?	What do we do to celebrate?	Los toros las calles	The bulls The streets
La Nochebuena	Christmas Eve	ď	get up	Correr	Torun
		Me ducho	shower	XXXX	
La Nochevieja	New Year's Eve	Me visto	get dressed	Las corridas de toros	Bulltigriting
ميوسو وقو ماه والداء		Recibo regalos	I receive presents	Los encierros	Bull running
El dia de ano nuevo	New Year's Day		blow candles	La plaza de toros	The bullring
El día de los Reyes Magos	Magos Three Wise Men Day	Monto el árbol de Navidad	put up the Christmas tree		
La Semana Santa	Easter / Holy Week	Compro ropa nueva	buy new clothes	¿Qué pasa en las Fallas?	What happens in Fallas?
		Voy a la iglesia	go to church	Eallas	A festival held in Valencia
Las hogueras	The bonfires	Voy a la mezquita	go to the mosque		exery March
La foria do ahril	The Anril fair	Vox a la plaza	go to the square	La hoguera	The bonfire
Ta lella de allill	ing index	Voy a casa de	go to's house	El cartón	Cardboard
Día de muertos	The day of deaths	Jega	arrives	Las fallas	Sculptures made of
		Comemos	We eat		cardboard
El cumpleaños	Birthday	Ayunamos	We fast	Los fuegos artificiales	Fireworks
El camaval	Carnival	Jugamos a juegos de mesa	We play table games	Los petardos	Firecrackers
I CALLIDA II		Celebramos	We celebrate	Las bandas de música	Music bands
La feria	Fair	Lo paso muy bien	I have a good time		5
El día de la madre	Mother's day	Me acuesto	go to bed		
	App Calabora	Voy a dormir	I go to sleep	¿Qué pasa en la Tomatina?	What happens in the tomato
El día del padre	Father's day			La gente	festival? People
El día festivo	Bank Holiday	¿Cómo es?	How jş jţ like?	Lanza tomates	Throw tomatoes
El encierro	The bull running	Emocionante	Exciting	Aplasta tomates	Squish tomatoes
	0	Connovedor	Moxing	Se ensucia	Gets dirty
Las fallas	Fallas	Divertido	Fun	Tiene lugar en Buñol	Takes place in Buñol
Els castells	Human towers	Insoportable	Unbearable	La batalla	The battle
	5	Impactante	Striking	El caos	Chaos
La Tomatina	Tomato festival			).	

# 🕵 <mark>9.12 Geography & History 🛹 🙉</mark> THE 21 SPANISH-SPEAKING COUNTRIES





Capor Learning Federati	who	intry	ioi		The town/ village	St.	ŝpù	The inland regions	
Spanish Vocab List	cando	The country		The city	The too	The coast	The islands	The inla	
Spanisl	efferboon	país	región / la comunidad	pepnix	oldand	a costa	ıs islas	interior	

Holed States

La historia	History
Castellano / Español	Spanish Janguage
La Reconquista	Period of time when the
	Christian kingdoms
	"reconquered" the peninsula
	from the Muslims (Moors).
Moros	Moors - Muslim inhabitants of
	modern-day Spain in
Conquistadores	Conquerors of American
	territories in the 16th century
La Colonización	Colonisation of the Americas
La Guerra Civil Española	The Spanish Civil war between
	1936 and 1939
La Dictadura fascista	The fascist dictatorship in
	Spain between 1939 and 1975
La Transición	Transition into democracy
	after the dictatorship
La monarquía parlamentaria	The current political system in
	Spain: a parliamentary
	monarchy, like in the UK

<u> </u>	9.12 deography & History	HISTORY
ř.	Spanish Vocab List	List
人,		
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	La geografía El país	Geography The country
738	La región / la comunidad	The region
_	La ciudad	The city
	El pueblo	The town/ village
	La costa	The coast
	Las islas	The islands
	El interior	The inland regions
		1
	rajpistoria Cartollano / Emañol	Chanich language
	Castellano / Espanol	Spanish janguage
	La Reconquista	Period of time when
		Christian kingdoms
		"reconduered" the p
اړ	:	mod toe musilias (ix
e.	Moros	Moors – Muslim inha
Bat Box		mouern-day spain in
	conquistadores	territories in the 16th
	La Colonización	Colonisation of the A
	La Guerra Civil Española	The Spanish Civil war
0 1	nu.	1936 and 1939
model of	La Dictadura fascista	The fascist dictatorsh
Ush Sk		Spain between 1939
	La Transición	Transition into demo
		after the dictatorship
The same of the sa	La monarquía parlamentaria	The current political
100		Spain: a partiamenta
		monarchy, like in the

NORDESTE

El lenguaje de todos los días - Everyday language inclai	Everyday janguage Hello
ITOLA	Hello
Buenos días	Good morning
Buenas tardes	Good afternoon
Buenas noches	Good night
¿Cómo te llamas?	What's your name?
Me llamo	My name is
¡Adiós!	Goodbye
Hasta luego / hasta la vista	See you later
Por favor	Please
Gracias	Thank you
Muchas gracias	Thanks a lot
De nada	You are welcome
Perdone / Perdón	Excuse me / Apologies
Lo siento	ζω εσιιχ
¿Habla inglés?	Do you speak English?
Hablo un poco de español	I speak a bit of Spanish
No entiendo	I do not understand
¿Dónde hay un buen	Where is a good
restaurante?	restaurant?
¿Dónde está el centro / la	Where is the centre / the
playa?	beach?
Me he perdido	I am lost
Busco un hotel / un hospital	I am looking for a hotel /
/ un banco	hospital / bank
Busco la estación / el	I am looking for the station
aeropuerto / la parada de	/ airport/ bus stop
pns	
¿Me podría sacar una foto?	Could you take a picture?
iCuidado!	Be <u>carefu</u> l!
iVamos!	Let's go!

		Key Events		OSN.	AP CO		Γ			Key Terms	
1	9 th November 15 abdicated. A den	18 - The leader of Gonocratic government	9th November 1918 - The leader of Germany, Kaiser Wilhelm, abdicated. A democratic government set up, the Weimar Republic.	m, epublic.	Hist	History – Year 9 Knowledge		15 p	peace armistice	a document which is signed to halt fi whilst peace negotiations take place.	a document which is signed to halt fighting whilst peace negotiations take place.
2	11 th November 1	. 918 - Germany signe	11th November 1918 - Germany signed armistice agreement.	it.	What wa	What was <u>life like</u> in Nazi		16 N	November criminals	the name given to thε	the name given to the men who signed the
3	28 th June 1919 –	The Treaty of Versai	28^{th} June 1919 – The Treaty of Versailles is signed deciding the terms	the terms	g	Germany:				peace armistice.	
	of peace betwee	of peace between the Allies and Germany.	тапу.			Key Skills	1	17 a	abdication	Renouncing (giving up) the throne.	o) the throne.
4	1923 – Germany	was struggling to pa	1923 – Germany was struggling to pay the reparations to France.	rance. 12	Causation			18 T	Treaty of Versailles	A treaty which formally ended WWI.	lly ended WWI.
	They printed mo provide a loan to	They printed more money leading to provide a loan to help them recover.	They printed more money leading to hyperinflation. The USA provide a loan to help them recover.	AS		events are by develor	caused	19 re	reparations	Germany was to made to pay £6.6 billion reparations for damage during the war.	e to pay £6.6 billion ge during the war.
2	November 1923	- The Munich Putscl	November 1923 – The Munich Putsch – The NSDAP try to take over	ake over		before.	2	20 N	NSDAP	National Socialist Gen	National Socialist German Workers' Party –
	the weither GOV	ernment, tney <u>iall</u> an	the weimar Government, they <u>iall</u> and muer is sent to prison.	13	Consequence	-	ılt or			Was known as the Nazi Party.	zi Party.
9	October 1929 – ' collapsed and ne	October 1929 – The Wall Street Crash, the American s collapsed and needed their loans back from Germany.	October 1929 – The Wall Street Crash , the American stock market collapsed and needed their loans back from Germany.	market		effect of an event.		21 N	Weimar Republic	The democratic government elected after the end of WWI.	nment elected after
7	30 th January 193	3 – Hitler is named c	30th January 1933 – Hitler is named chancellor of Germany.	. 14	Source Analysis	Nature: What is the type of	nat is	22 cl	chancellor	The head of the German government	nan government
∞	February 1933 –	The Reichstag Fire w	February 1933 – The Reichstag Fire was blamed a Dutch communist	mmunist		source?				appointed by the president.	sident.
	and used as prop	and used as propaganda, support gained for NSDAP.	ned for NSDAP.			Content: What		23 R	Reichstag	The name of Germany's parliament.	y's parliament.
6	23 rd March 1933	23rd March 1933 - The Enabling Act was passed which make the Baichetter	23rd March 1933 - The Enabling Act was passed which meant Hitler	nt Hitler		Origin: Who		24 p	propaganda	Information, can be b	Information, can be biased, that promotes a
	was able to lilan	ממאס מאונווסמר כסווסמ	nuing une meichistag.			Where?				political cause/point of view.	ot view.
10	30 th June 1934 -	The Night of the Lon	30th June 1934 - The Night of the Long Knives - purge of SA			Purpose: Why		25 T	Third Reich	The name of the Nazi	The name of the Nazi regime (government).
	leadership who t	ווו בפובוובת שוחבו פוות	leadership who threatened nitier and other political opponents.			was the source		26 K	Kinder, Küche and	'Children, Kitchen, Church.' Nazi's asked	urch.' Nazi's asked
11	2 nd August 1934	 President Hindenb 	2nd August 1934 – President Hindenburg died. Hitler combines the	ines the	Key	Key Grouns/People			Kirche	women to do these instead of work.	ıstead of work.
Ī											
			3								
Y	Kaiser Wilhelm	Adolf Hitler	Joseph Goebbels	President Hindenbur	burg	SA	SS	F	Gestapo	Hitler Youth	League of German Maidens
leε	Leader of Germany during WW1 until 1918.	German politician and leader of the Nazi Party.	Nazi minister for propaganda 1933 -1945.	President of Germany from 1925 – 1934.		Protectors of Nazi leaders formed in 1921.	Established 1925 to protect Hitler & then policed Third Reich.	.925 to & then Reich.	The Nazi's secret police force.	The HJ, boys would join the main group from age 14.	The female equivalent of the HJ they would join from age 14.

Were The 1960s a decade of 'revolution'? History – Year 9 Knowledge Summary

today. Many homes had a television, bungalows which were similar to those People mainly lived in houses, flats or They often fridges, baths and toilets. telephone, beds, washing machines, trends. shorter, more Women wore patterns. People started following Clothing began to be colourful with

different worked in

ways than today



shirts with wide collars wide ties and flared trousers Men wore casual dresses



were a popular band in the 60's. influenced music today. The Beatles important. Music from the 60's has swinging sixties' because music was so The 1960's is often referred to as 'the

many hospitals so that people could be

Motorways were built to allow people

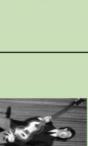
increased a lot during the 60's. The number of families with cars

to travel between different parts of the

treated locally

Healthcare was provided for free by the

NHS, just like it is today. The NHS built



shops rather than one supermarket Shopping was done at lots of smaller was stored in a cool rom called a larder kept fresh for longer. Before this food People owned fridges so food could be Bungalow Appliance



5 Ca Preserve



Popularity

something.

Healthcare

Similar Different Characteristics which are not the Characteristics which are the same An item used for a specific task A house with only one floor.

Fashion or Trend	A popular or new style of clothing or hair.
Casual	Clothes suitable for everyday wear.
Formal	Clothes suitable for special events, or a specific purpose.



Year 9 Geography: Topic 4: Why should we care about the oceans?

Why are the oceans important?

dependent businesses employ Amount the U.S. goods and services. Oceanalmost 3 million people. **ECONOMY** CLIMATE REGULATION the ocean transports heat from the equator to the poles, 70% Covering 70% of the Earth's surface, boating to kayaki and whale watchii RECREATION S50% The ocean produces over half of the world's oxygen and stores 50 times on one carbon dioxide than our THE AIR WE BREATHE 76% Percent of all Involving some form of TRANSPORTATION





RESILIENCE

Sustainability focuses on meeting the needs of the present without compromising the ability of future generations to meet their needs

Sustainable fishing means leaving enough fish in the ocean, respecting habitats and ensuring people who depend on fishing can maintain their livelihoods.

Overfishing and the impact

- Overfishing means to catch more fish than the natural system can
- In 1900 our oceans contained six times more fish than today. In 2003, a scientific report estimated that industrial fishing had reduced the number of large ocean predators to just 10% of their preindustrial population.
- Millions of people rely on fisheries for employment. In 1993, the North Cod Fishery in Newfoundland, Canada collapsed because of overfishing. Approximately 40,000 jobs were lost. A billion people rely on fish as their main source of protein
 - Habitats such as coral reefs are destroyed by dredging of sea beds by large fishing nets.
 - The UK catches 24% more fish stocks than scientific advisors
- Quotas (limits) in the EU mean that countries can only catch so many recommend.
- Overfishing means that fish stocks are not naturally being replaced tonnes of fish.

What are ocean currents?

- The water in the oceans is constantly moving in patterns called currents.
- As the currents flow around the planet they move cold and warm water from one place to another.
- that has been dumped carelessly by people. This rubbish finds its way The ocean currents also help move anything that floats in them. This can be sea creatures or ships, but unfortunately can also be rubbish around the world, polluting the oceans and can be harmful to sea creatures

Gyre – Large circular current within the ocean

The Great Pacific Garbage Patch

- It is an acculumation of a large area of plastic and other polluting waste three times the size of France
- 1.15 to 2.41 million tonnes of plastic enter the oceans each year
- Plastic doesn't sink, and it is transported vast distances before ending up in the garbage patch
- The plastics may eventually degrage to microplastics, due to the effects of the sun and waves, but these further damage marine life.

The Great Pacific Garbage Patch - solutions?

- Recycling, getting rid of single use plastics and using paper straws.
 - Booms that collect plastic from the surface of oceans.
 - Biodegradable bags.
- Getting rid of single use plastics

- The Northwest Passage is a sea route that connects the Atlantic and Pacific Oceans.
- recent years, climate change is allowing commercial traffic to pass In the past, the Northwest Passage has been virtually impassable because it was covered by thick, year-round sea ice. However, in through the Arctic via this once-impossible route.



Ocean acidification is a change in the properties of ocean water that can ocean is becoming more acidic as its water absorbs carbon dioxide from be harmful for plants and animals. Scientists have observed that the the atmosphere.

Biodiversity - the variety of plant and animal life in the world or in a particular habitat, a high level of which is usually considered to be important and desirable

What are the impacts of ocean acidification?

- A change in the pH of the ocean can cause fish to become ill, including slowing their growth
 - Some species of algae grow better under more acidic conditions with The growth of coral reefs is limited and they may begin to erode
- coralline algae can cover up to 92% less area, making space for other types of non-calcifying algae, which can smother and damage coral Other algae, which build calcium carbonate skeletons and help cement coral reefs, do not fare so well. In acidifying conditions the boost in carbon dioxide.
- Oysters, mussels, urchins and starfish will have trouble forming their shells in acidic conditions, and they shells they do form may be .

9.1 Decision Making Enquiries

Sea level rise in The Maldives

Global sea levels are rising due to:

- Global warming is melting the polar ice caps
- Global warming causes thermal expansion of the world's oceans

This is threatening the future of The Maldives, where much of the islands are less than 2m above sea level.

The Maldives are considering 3 options for their long-term future:

- 1. Evacuate the islands and move the population elsewhere.
- Build sea walls around the islands to protect them from the rising water
- Reclaim land from the shallow seas around the islands, by dredging sand from the lagoons and building up the height of the islands.

Stakeholders are divided over the issue. Many do not want to lose the unique culture of the Maldives by moving elsewhere. Others do not want to change forever the delicate ecosystems in the island chain.

The UK's energy mix

The UK's energy mix (where we get our energy from) has changed a lot over the past 30 years. Fossil fuels - gas, coal and oil – still account for more than 50% of our energy mix, but renewable sources of energy such as solar and wind power have been steadily increasing.

Cleve Hill is a proposed solar park in Kent, with construction due to begin in 2022. It would be the UK's biggest solar farm and would generate enough electricity for 91,000 homes.

Stakeholders are divided over whether the solar park should go ahead.

- Some think that it is an essential step in moving the UK away from dependence on the fossil fuels that are causing climate change.
- Some are concerned about the impact on the habitat of local wildlife and migrating birds in particular.
- Some are in favour due to the huge local investment and jobs that will be created.
- Others are opposed due to the 'eyesore' effect.







Economic impacts are those that affect money, business and jobs.

Social impacts are those that affect people and communities; families, health, education, communication.

Environmental impacts are those that affect the quality of the environment, pollution and the balance of the ecosystem

Sustainability is when materials and resources are used in a way which balances the needs of people in the present with the need to maintain something in to the future.

Stakeholders are individuals and groups of people with a particular interest in an issue.





Flood management on the Somerset Levels

The Somerset Levels have always been prone to flooding. However, in 2014 the floods were so bad that huge amounts of damage were caused to farms and homes. Since then, the debate has continued: should the Somerset Council spend more on building flood defences on the Levels?

- Farmers and local residents want the flood defences to protect their homes and work places.
- The Council knows that the defences dredgers and building levees are expensive, leaving less in the budget for schools and other services.
- Some environmentalists think that dredging rivers won't work in the long term, will
 disturb the natural habitat of wildlife and may even make the floods worse.





The main casualties of war include:		servicemen and women who lose their lives or are injured civilians who lose their lives or are injured	civilians who have their families, homes and way of life damaged or destroved	damage to the country's infrastructure, eg roads and bridges	destroyed refugees who <u>have to</u> flee their country of birth to find safety		047 047 047 047 047 047 047 047 047	回答が過 SCAN ME	Violent	To defend, not attack	Physical (military)	Against those who fight you
Who or what are the casualties of conflict? Estimated number of military and civilian fatalities in major UK conflicts since World	War Two	Civilian fatalities (estimated)	• civilians w homes and homes and astroyed destroyed	•	destroyed refugees v refugees v refugees v		What are the two types of Jihad?	Lesser	Non-violent	The word of justice in front of the oppressive ruler	Verbal	Against the oppressive ruler
Who or what are Estimated numb fatalities in major		UK military fatalities Northern Ireland 1,124	Cuit War	Afghanistan 438	In the second se			Greater	The struggle	against oneself	Spiritual	Against yourself
S of conflict? Wars are rarely about just one en a state or states act to:		gain territory or resources 1 an aggressor by an aggressor ange on another state, or to	nterests' by another	ıt ideology, religion or	ween organised		Love your enemies	who persecute you.	Mattnew 5:44 Defend the rights of	the poor and orphans; be fair to the peedy and	helpless. Rescue	power of evil men. Psalm 82
			resist such domination challenge a threat to 'essential national interests' by another state	counter perceived threats from a different ideology, religion or ethnic group	defend the national honour when under threat War can also occur internally within a state between organised groups. This is known as civil war .		What does	about war and	peace: nation shall not lift	up sword against nation, neither shall they learn war any	more.	SCANNE
What are the causes of any war are complex. thing. They can be declared wh		 attack or invade another state, to g resist such an attack or invasion by protect another state from attack impose domination or political ch 	resist such domination • challenge a threat to 'e	 counter perceived ethnic group 	 defend the nation War can also occuge 		Live by the sword,	ale by the sword Matthew 26	And let him who	has no sword sell his mantle and buy	Luke 22:36	
NEED TO KNOW WORDS A situation where people	are treated fairly or correctly	The belief that no violence or war can ever be justified	People who are not members of the armed forces or other military	group To etrumia to follow Allah	in some situations this may require the use of violence to prevent	further suffering. (lesser Jihad)	Armed conflict between	two countries or different groups	A war which is considered	morally Justiffed as it follows Thomas Aquinas' 7 rules of Just War.	When an action is considered good because	of the reasons for it or outcome it might produce.
NEED Justice		Pacifism	Civilians	<u>ر</u> د			War		Just War		Justified	



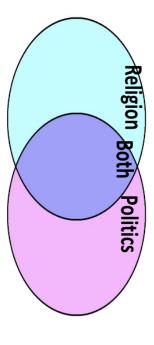
What's the difference between religion and politics?

Holocaust Homophobia

genocide of European Jews during World War II. Also known as the Shoah, between 1941 and 1945, this was the Islamophobia

or Muslims in general.

The fear of, hatred of, or prejudice against the religion of Islam



Place these words on a yenn diagram

Laws	leaders	God	that hold power.
Government	Worship	Beliefs	influence of governments or other groups
Crime and punishment	Prayer	Voting	and worship Politics = the
diagram.	Place these words on a yenn diagram	Place thes	Religion = a system of faith

themselves and their society pleasing to Allah

Jihad: The struggle of Muslims to make

society, themselves, struggl

Greater jihad

The personal, inward

struggle of all Muslims to live in line with the

Dislike of or prejudice against gay people

esser jihad

The outward, collective

faith, family and country

struggle to defend their

What happened?

teachings of their faith. from threat.

MISSION TO PROMOTE CHRISTIANITY IN ANOTHER COUNTRY MISSIONARY = SOMEONE SENT ON A RELIGIOUS FUMIE = IMAGE OF CHRIST OR VIRGIN MARY (A APOSTASY = GIVING UP YOUR FAITH'STEPPING' PICTURE) OR REGION

all of humanity.. an innocent he has killed Whoever kills fe it is as if

| Surat Al-Ma'idah 5:32 | ψ

The Golden Rule

"Do unto others as you would have them do unto you"

/ sword, lest the Swor falls upon thy nec

- Talmud, Shabbat 31a (Judaism) "WHAT IS HURTFUL TO YOURSELF DO NOT DO TO YOUR FELLOW MAN."

HOW ARE PEOPLE PERSECUTED?

WOMEN OF ENGLAND PERSECUTION

'The witch Hunts'

Who? Women in the British Isles

When? The witch hunts lasted from 1645, just after the Battle of

Where? East Anglia in England

Matthew Hopkins 'The Witch-Finder General' By Whom? By the Christian authorities & a man called



gone wrong in the community. who wanted to believe there was some specific reason why things had or physical disability, or mental disability, were picked out by those People, especially women, who were different in any way, through age

they would be executed They were accused of being witches & were put on trial. If found guilty,

NATIVE AMERICAN PERSECUTION

Who? Native American tribes

When? 1831-1838

By Whom? American government Where? Southern United States

This period of American history is What happened?

known as 'The Trail of Tears'



hundreds of miles to reservations. Choctaw, and Seminole tribes were marched at gunpoint across Oklahoma. Peoples from the Cherokee, Muscogee, Chickasaw, their homelands in the Southern United States to Indian Territory in The United States government forced Native Americans to move from

AZTECS PERSECUTION

Who? The Aztec Empire

When? February 1519 – August 13

Where? Aztec Empire (Modern day

By Whom? Spanish Conquistadore:

What happened?

conquistador Hernan Cortés, conquered the Aztec Empire. Between 1519 and 1521 the Spanish, under the leadership of

Cortés arrived with around 500 men, 16 horses, and some cannon. took the capital city Tenochtitlan (now Mexico City). They captured the Aztec king, Montezuma II, & killed him. Fighting began & a second Aztec king was killed. The Spanish conquistadores

Changemakers: How does belief inspire change? Knowledge Organiser

NEED TO KNOW WORDS

refusal to comply with certain laws To discriminate against people of a Prejudged opinions of a person or The use of action to bring about Political and social equality and A publicly elected government Fair distribution of wealth and A state of being equal rights in a society certain race freedom Disobedience Democracy Social Justice **Civil Rights** Equality Activism Prejudice Racism

What is activism?

activist is someone who is active in campaigning for change, normally on political or social issues. Activism is what The word "activism" is only about 100 years old, at least in its current use, and derives from the verb to act. An 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 ummah crosses all gender, race and wealth boundaries:

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

Unfair treatment of a group

Discrimination

Social Justice – Malcolm X

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

•Promoting Black independence and challenging the idea of white superiority.

justice by

- Advocating for Black economic and political power through initiatives such as Black nationalism and separatism.
- Highlighting the impact of systemic racism and institutional discrimination on the Black community.

Examples of Activism

Also known as "hashtag activism," it brings activism to social media networks like Instagram and Twitter.

posts, graphics, videos, and more.

)

nangemakers: How does belief inspire change? Knowledge Organiser

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 belief that one species, typically humans, is superior to and has the fight to dominate over other species and the forestation.

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 faith 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 crisis 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.

XR 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.

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

Humanities IS Term 4:

Please complete the questions for Geography, History and RE (RWV) for your Humanities IS. Your humanities teacher will tell you which day it is due a week before. It will be checked and marked in that lesson.

Year 9 Geography Term 4:

Using the Why should we care about the oceans Page:

- 1. What is sustainable fishing?
- 2. What is a gyre?
- 3. What is biodiversity?
- 4. What is ocean acidification?
- 5. What are the impacts of ocean acidification?

Year 9 History Term 4:

Using the What was life like in Nazi Germany Knowledge Organiser Page:

- 1. What happened on the 30th January in 1933?
- 2. What did the Enabling Act allow?
- 3. What does abdication mean?
- 4. Who was the Kaiser of Germany?
- 5. What was the League of German Maidens?

Year 9 RE (RWV) Term 4:

Using the War: When people disagree Knowledge Organiser Page:

- 1. What does justified mean?
- 2. List two causes of war.
- 3. What is greater jihad?
- 4. What is lesser jihad?
- 5. What is Islamophobia?

Humanities IS Term 5:

Please complete the questions for Geography, History and RE (RWV) for your Humanities IS. Your humanities teacher will tell you which day it is due a week before. It will be checked and marked in that lesson.

Year9 Geography Term 5:

Using the Decision Making Enquiries Knowledge Organiser Page:

- 1. Give a reason sea levels are rising.
- 2. What are the 3 options the Maldives are considering for sea levels rising?
- 3. What is the UK's energy mix?
- 4. How much electricity could the UK's biggest solar farm produce?
- 5. Why are some divided on whether a solar park should be built?

Year 9 History Term 5:

Using the Were the 1960s a decade of 'revolution' Knowledge Organiser Page:

- 1. What does appliance mean?
- 2. What is a bungalow?
- 3. What did many homes have in the 1960s?
- 4. What was clothing like in the 1960s?
- 5. How was food stored before fridges?

Year 9 RE (RWV) Term 5:

Using the War: When people disagree Knowledge Organiser Page:

- 1. What is a denomination?
- 2. What is the golden rule?
- 3. What is a missionary?
- 4. What is apostasy?
- 5. What does persecution mean?

Humanities IS Term 6:

Please complete the questions for Geography, History and RE (RWV) for your Humanities IS. Your humanities teacher will tell you which day it is due a week before. It will be checked and marked in that lesson.

Year 9 Geography Term 6:

Using the asking Enquiries Knowledge Organiser Page:

- 1. What is a stakeholder?
- 2. What are the Somerset Levels prone to do?
- 3. What do we mean by 'social' in geography?
- 4. What do some environmentalists think about dredging rivers?

Year 9 History Term 6:

Using the Democracy in Britain Knowledge Organiser Page:

- 1. What does casual mean?
- 2. What does formal mean?
- 3. Was health care free in the 1960s?
- 4. What was built in the 1960s for cars?
- 5. What band was popular in the 60s?

Year 9 RE (RWV) Term 6:

Using the Changemakers: How does belief inspire change Knowledge Organiser Page:

- 1. What does activism mean?
- 2. What is civil disobedience?
- 3. What is social justice?
- 4. Give examples of activism.
- 5. What does Islam teach about prejudice and discrimination?

CAREERS AT HPA

Our Careers guidance and provision at Hans Price offers a wide range of experiences and opportunities to inform and develop aspirations for the future. In addition to a careers featuring in our SPACE curriculum and weaving through all subjects taught at Hans Price, all students use UniFrog to



support their careers provision and their planning for Post-16 and beyond.

Unifrog is the universal destinations platform and is designed to support learners in making the most informed decisions about their futures. It has a range of tools that are suitable for all year groups. Each student has their own account where they can explore all the career and next step options available to them and find information on everything from managing their workload to writing a winning CV. Students have access to a wide variety of video and written content, and interactive quizzes and tests, information about careers and the local labour market and emerging industries.



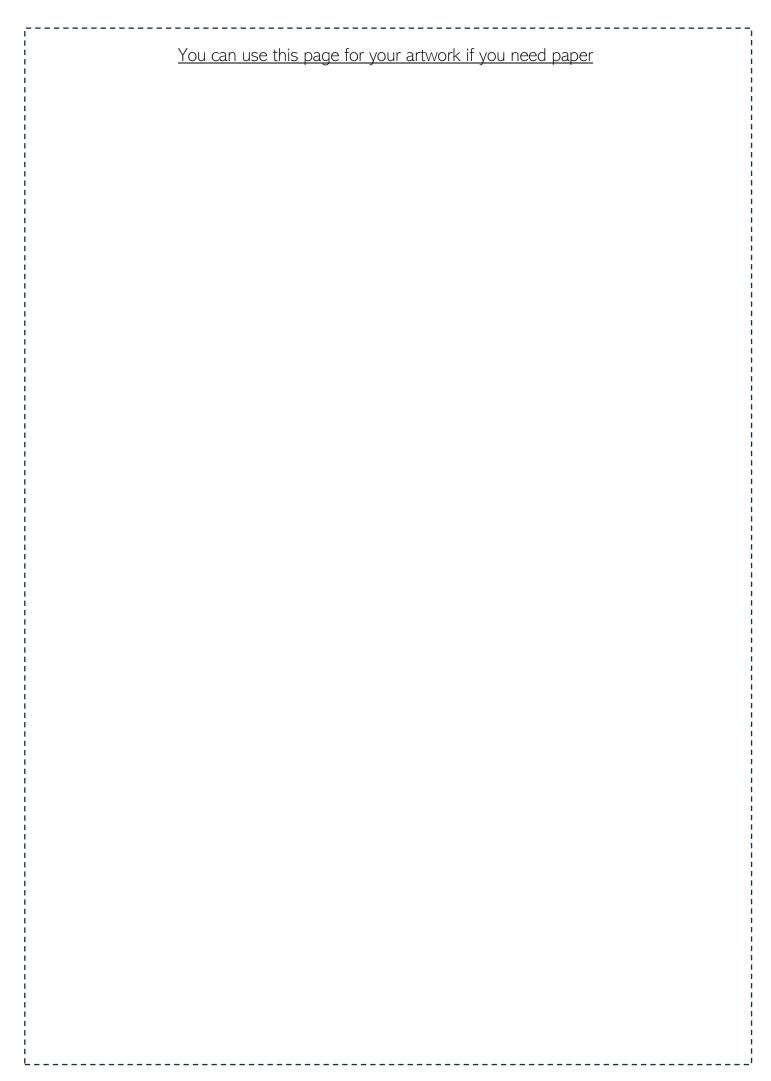
Students can access Unifrog through the LCF Student Navigator page or searching for Unifrog online. Students initially sign up to the platform by clicking a link in their welcome email, where they create a password and can begin using the platform. They sign in to Unifrog using their Hans Price email address and password and they can do so from any computer, tablet, or smartphone. We would encourage you to use the platform with your child so you can support them through the process of deciding their next step.

You can also have your own Unifrog account. You'll be able to research careers, attend webinars delivered by employers and universities to learn more about their opportunities, and compare pathways so you can support your child in making an informed decision about their next steps. The sign up code you need is: **HPAMParents** and you can sign up here: www.unifrog.org/code. You can also sign up to Unifrog's parent/carer newsletter when you first sign









PERFORMING ARTS OPPORTUNITIES

SCHOOL MUSICAL:

SCHOOL MUSICAL IS IN JULY - REHEARSALS ARE TUESDAY & WEDNESDAY AFTER SCHOOL READY FOR THE SHOW IN JULY.

DANCE SHOW:

YOU CAN AUDITION FOR THE DANCE SHOW IN APRIL. AUDITIONS ARE USUALLY 3 WEEKS BEFORE THE SHOW.

MUSIC SHOW:

YOU CAN AUDITION FOR THE MUSIC SHOW IN FEBRUARY. AUDITIONS ARE USUALLY 3 WEEKS BEFORE THE SHOW.

PLEASE SEE YOUR MUSIC TEACHER FOR A LIST OF UP TO DATE CLUBS.

DANCE CLUB:

DANCE CLUB WITH ANGELS DANCE ACADEMY IS EVERY FRIDAY LUNCH IN THE DANCE STUDIO.

Try some new clubs this term

