# Knowledge Organiser Year 8 

## Term 2

This document is part of your compulsory
Tutor Group equipment and must be taken to every lesson (with the exception of practical PE).

## Table of contents

| 1. | Knowledge Organisers (what/how) | page 3 |
| :---: | :---: | :---: |
| 2. | The King Solomon Standard | page 4 |
| 3. | The PEEL paragraph | page 5 |
| 4. | Art | page 6-7 |
| 5. | Design and Technology | page 8 |
| 6. | English | page 9 |
| 7. | Food | page 10 |
| 8. | Geography | page 11-12 |
| 9. | History | page 13 |
| 10. | Ivrit | page 14 |
| 11. | Jewish Studies | page 15-16 |
| 12. | Maths | page 17-22 |
| 13. | Performing Arts: Drama | page 23-24 |
| 14. | Performing Arts: Music | page 25-26 |
| 15. | Physical Education | page 27-30 |
| 16. | Science | page 31-33 |
| 17. | Spanish | age 34 |

Your knowledge organiser summarises all the key facts and knowledge that you will need to have learned on a particular subject onto one side of A4. This information might include,

- key vocabulary
- key places and people
- useful diagrams
- key dates for a subject like history
- key themes
- important quotes
- stem sentences for a subject like Maths



## How can you use your Knowledge Organiser most effectively?



1. Use it as a checklist to make sure you have notes and resources in your books or folders on each area. If you have a gap, talk to your teacher.

2. Use your knowledge organiser to get ahead on a topic. Reading about what you are going to study and looking up any new or difficult words means that you are better prepared for your learning in the next lesson.

3. Use it to help get the information and knowledge into your long-term memory. Just reading over the pages does not help. You will need to put your knowledge organiser away and see how much you can remember. You could get a family member or carer to help test you on what you have remembered.

4. It is best to use your knowledge organiser for short periods of time but regularly. Choose a small part of a topic and practice writing it out with your organiser closed every day for 10 minutes.

5. Knowledge organisers have already broken the knowledge down into chunks for you so they can be used to create flashcards, revision posters or mind maps.

## THE KING SOLOMON STANDARD

Come to class fully prepared with correct equipment (Black / Blue Pen, pencil, glue stick, scissors, ruler, calculator, protractor and compass, exercise / text books). Form Tutors will check your equipment on a regular basis.

## Presentation

- Students write in black or blue inked pen only unless allowed by teachers to use another colour.
- Students ensure that all work has a Title and Hebrew and English dates, which are all underlined.
- Students take care of their exercise books and folders. There is no graffiti in, or on, books. All books must be covered and labelled clearly.
- Worksheets and Pit Stops slips must be stuck in or stapled.
- Pages must not be torn out of books.
- Work will be returned if it represents a significant lack of effort and students will be expected to resubmit the work.
- PEEL paragraphs must be labelled clearly and easy to spot.


## Literacy marking symbols

Your teachers will be using the symbols below to mark your work.

| $\mathbf{S}$ | Spelling mistake. |
| :---: | :--- |
| $\mathbf{P}$ | Punctuation mistake - either punctuation has been omitted, or has been used incorrectly. |
| $\boldsymbol{?} \boldsymbol{?}$ | Does not make sense/is not clear. |
| $\boldsymbol{/ /}$ | Start a new paragraph. |
| $\boldsymbol{n}$ | A word or sentence is missing. |
| $\mathbf{C}$ | Capital letter is needed. |
| DW | Choose a different word. |

- Correct all your class work and homework errors using a different coloured pen.
- C3B4ME (See three before me; i.e. first try independently, check your class notes/resources or ask one of your peers before you ask your teacher -$)$.



## How to complete my Pit Stop slips

## What went well....

Completed by your teacher or by you after receiving some guidance from your teacher.

## Next steps....

Completed by your teacher or by you after receiving some guidance from your teacher.

## Evidence of how I have improved:

Completed by student stating clearly where the work can be found. This is not a promise of what you will do but a clear indication of where to find the work of what you have done already in order to improve and following the advice from next steps.

## THE PEEL PARAGRAPH <br> 

Point: Your argument in one line.
I think that ..... It is clear that...... In my opinion ..... The point is that....

Evidence: Reasons or evidence that back your argument up.
This is because ...... This is evidenced by ..... For instance ..... We can see that...

Explanation: Explain how your reasons or evidence prove your point.
Therefore, this proves that..... because ...... This shows that ..... This demonstrates....

Link: Mini conclusion answering the question.
In conclusion ...... Overall ...... To conclude ..... Finally...... To summarise...

## How can I improve my writing?

## Point

- I have included a point in my paragraph.
- The reader will be able to understand my entire argument just by reading the point.


## Evidence

- My paragraph has at least two pieces of evidence.
- My evidence is in full sentences, carefully chosen and clearly helps prove my argument.
- My evidence is specific and detailed (includes quotes/facts/names/events/key words).


## Explanation

- I explain how my evidence proves that my argument is right.
- My explanation is at least two or three sentences long.
- I have added some balance to my argument and shown how there may be other reasons or arguments to the question.
- I have explained why my answer is the right one rather than any of the other reasons, ideas or arguments.
Link
- I have included a link sentence in my paragraph.
- My link sums up my argument.
- My link uses the information I have used in my paragraph.

SPRING 1



Research


Picasso


Kirchner


Key Words
Transform, Convex, Concave, Protude, Recess, feometric.

AFRICAN MASK PROJECT - DEVELOPMENT


Photograph of expressive face and pencil drawing


Facial distortion using Photoshop in preparation for clay construction

## ART

## Spring 2

## KEY MOVEMENTS - African Tribal Art



Fang


CONSTRUCTING THE MASK - PROCESS

| Key Words |
| :---: |
| Template, Transfer, Mould, |
| Convex, Concave, Engrave, |
| Bevel, Emboss, Refine, Tertiary, |
| Ceramiss, Kiln, Firing, |
| Biscuit ware. |



Design Technology - Plastics

## CORE learning

Plastics can be broken down into two categories:
thermoplastics and thermosets

- Plastics have excellent surface qualities. As they are self-finishing, plastics require little or no surface finish. .
inclusive design - Designing products so that all people can use it regardless of physical ability.
- Thermoset plastic - Set by heat - Cannot be reshaped once set - Extremely strong and durable.
-Thermoplastic - Soften when heated
- Can be reshaped
-More commonly used in schools
- Ergonomic design enables us to interact with and use products safely.



## Key images

Fret Saw - Use to slowly cut a profile in your acrylic. WEAR GOGGLES when allowed to use.


- Example of an ergonomic pen to help students avoid wrist and finger pain when writing for hours in examinations.



## Product Analysis

$\square$ Aesthetics - what something looks like - colour, shape, pattern, texture, physical quality, how does the product feel ?

- Customer - who will buy this product? Is it aimed at a particular target audience e.g. athletes? Can it be used by people of all abilities?
- Costs - how much will it costs to buy and how much does it costs to actually make? Can the product be made for a reasonable price? Is it socially inclusive by price and access/
- Environment - Does the product contribute negatively to climate change or global warming? Can it be made using sustainable resources, energy or systems?
$\square$ Safety - Products must be safe for the user and for those who make the product. This entails a quality control system that checks safety at various points.


## $\square$ Function - What does the

 product have to do or allow the user to achieve to be successful? E.g. an umbrella must be waterproof.
## Key words

- Quality Control - a series of checks to make sure that a product is meeting the specific quality standards
- Anthropometric - measurements and dimensions of the human body used to make sure that products are designed to fit us.
$\square$ Vacuum forming - a machine used to create plastic shapes using heat and a vacuum suction.
- Profile - The 2d outline shape of a 3 dimensional product or person.
- Biomimicry - Using nature to inspire design ideas such as the shape of a petal to design umbrella section.


English Term 2A and 2B- Noughts and Crosses

Historical and social information Segregation - Racial segregation is the systematic separation of people into racial or other ethnic groups in daily life. In the US, facilities and services such as housing, medical care, education, employment, and transportation were once segregated along racial lines. Segregation was outlawed by the Civil Rights Act of 1964, the Voting Rights Act of 1965, and the Fair Housing Act of 1968
Apartheid - From 1948-1994, the South African government enforced apartheid. This meant that black and white people were forced to live separately, go to different schools and black people could not vote. White people got privileges and ruled the country. However, this all came to an end when black people finally got the right to vote and elected Nelson Mandela as president. He had spent 27 years in prison for fighting for black peoples' rights.
Little Rock 9 - A group of African American highschool students who challenged racial segregation in the public schools of Little Rock, Arkansas. Rosa Parks - A member of a civil rights group which fought for black and white people to be treated the same. She was arrested and taken to jail for a few hours.

In 1954, the landmark Brow $\checkmark$ Board of Education case, the Supreme Court finally ruled that segregation could not ever be eaual.

## In 1955, Rosa Parks

 refused to give up her bus seat to a white person, inspiring the Montgomery Bus Boycott.Key Themes:

- Racism
- Inequality
- Justice
- Friendship
- Love

Glossary Terms
Dual $\quad$ A story that is told from two different narrative perspectives.
Contrast A type of opposition between two ideas or objects used to highlight differences
Focus shift Changes in what the writer focuses upon as texts develop - e.g. changing from focusing on one scene to another.

Foreboding
A feeling that something bad will happen fearful apprehension.

Martin Luther King Jr - Martin Luther King Jr. was an American Christian minister and activist who became a spokesman and leader in the American civil rights movement from 1955 until his assassination in 1968. Malcolm X - Malcolm X was a Muslim minister and activist who became a spokesman and leader in the American civil rights movement until his 1965 assassination. He vigorously supported Black empowerment
Dystopia - An imagined society where there is great suffering and injustice

Tragedy - A serious plot with a sad ending.

Links to previous units you have studied


- Tragedy and play writing conventions in Richard III (Year 7)
- Understanding social class and backgrounds in Trash (Year 7)

Links to other units you are going to study:

- Themes of tragedy and fatality in Blood Brothers (Year 8)
- Themes of tragedy and fatality in Macbeth (Year 10) white school in Little Rock. Arkansas. marched in the 'March on Washington for Jobs and Freedom' to hear King's 'I Have a Dream' speech.

In 1964,
Segregation was
outlawed by the
Civil Rights Act.

Key characters
Callum
A nought who has a close relationship with his childhood friend Sephy. With the help of a scholarship, Callum can join Sephy's
'Cross' school, which leads to discrimination and bullying. Sephy

A cross who has a close relationship with her childhood friend Callum. Sephy is naïve to the brutal world around her
However, she learns to sympathise with Callum's suffering. Jude

Callum's older brother, who displays violent and aggressive tendencies.

Lynette
Lynette is Jude and Callum's older sister. Previously, she experienced trauma that affected her mentally.
Ryan Callum's father. He does all he can to protect his family.

## Meggie

Callum's mother. She was fired as a housekeeper for the Hadley family three years before the novel begins

Kamal
Sephy's father. He is a government official who regards crosses as superior to noughts.

## Jasmine

Sephy's mother. Her husband's neglect causes Jasmine to feel lonely, insignificant and powerless

Sephy's older sister. They frequently disagree with one another

In 1965, Segregation was outlawed the Voting Rights Act. Malcolm X was assassinated.

Food \& Nutrition

## Key words

| $\frac{5}{2}$ | Bacteria | Microscopic living organisms that can be harmful to health |
| :---: | :---: | :---: |
|  | Personal hygiene | Acts of cleanliness to minimise contamination - hand washing, apron, tie up hair |
|  | Food Safety routines | Sanitising bench, clean as you go, washing \& drying procedures, correct storage |
|  | Cross contamination | Transfer of harmful bacteria to food from other foods, experiment or people |
|  | Danger Zone | $5.633^{\circ} \mathrm{C}$; the temperatures between which bateria can reproduce quickly |
|  | Storage temperatures | Fridge: $0.55^{\circ} \mathrm{C}$ C Freezer: -18 . Chill to below $8^{\circ} \mathrm{C}$ vithin 90 minutes |
|  | Hazard/risk | Biological, chemical or physical agent that could cause isk to health |
|  | 4Cs of food safety | Cooking, cleaning, chiling, cross contamination (keep separate) |


|  | Success criteria | Basic standards expected to be met when making a product |
| :---: | :---: | :---: |
|  | Sensory words | Words used to describe a food's appearance, taste, texture and smell |
|  | Quality control | A standard that needs to be checked and met at each stage of producing a product |

## Food Science - Functional characteristics of Ingredients

Ingredients provide a variety of functions in recipes, such as thickening, eg. flour in a roux sauce (Gelatinisation)

## Examples of Gelatinisation <br> - Custard

- Roux sauces
- Gravy



## Temperatures to remember

To reduce the risk of food poisoning, good
temperature control is vital:
$5-63^{\circ} \mathrm{C}$ - the danger zone where bacteria grow most readily.
$37^{\circ} \mathrm{C}$ - body temperature, optimum temperature for bacterial growth
$8^{\circ} \mathrm{C}$ - maximum legal temperature for cold food, i.e. your fridge.
$5^{\circ} \mathrm{C}$ (or below) - the ideal temperature your fridge should be.
$75^{\circ} \mathrm{C}$ - if cooking food, the core temperature, middle or thickest part should reach at least this temperature.
$75^{\circ} \mathrm{C}$ - if reheating food, it should reach at least this temperature. In Scotland food should reach at least $82^{\circ} \mathrm{C}$. Remember to reheat food only once

## To ensure that a recipe works, it is important to

 weigh and measure ingredients accurately.

A recipe is made up of 3 parts:

- ingredients: a list of all the ingredients needed (metric);
- equipment: a list of all the equipment;
method: how to make the dish.

When conducting sensory analysis (or taste test) on a food product it is important to be able to describe the food in detail. To help do this use a range of describing words to show the qualities of a food product

Texture
(How food feels in Your mouth)


## Other words I could use:



Taste, flavour and smell


## What is the difference between weather and climate?

Weather describes the day-to-day conditions of the atmosphere. Weather can change quickly - one day it can be dry and sunny and the next day it may rain.

Climate describes average weather conditions over longer periods and over large areas.

## Why does the Equator receive more energy than the sun?

## Sunlight hits the Earth most

 directly at the Equator. The curve of the Earth means that sunlight is spread over a wider area the further you move from the Equator. Sunlight hits a smaller surface area at the Equator so heats up quickly compared to the poles.

## What are greenhouse gases and how have they influenced global warming?



Some gases in the atmosphere, called greenhouse gases, trap escaping thermal energy. This causes some of the thermal energy to return to the surface and warm it up. This is called the greenhouse effect. It is much hotter standing in a greenhouse or sitting in a car with the windows up on a sunny day than a cloudy one for the same reason. As there are more greenhouse gases in the atmosphere, the Earth is getting hotter.

## What are the main impacts of climate change?

- The ice is melting faster than it can be replaced in the Arctic and Antarctic.
- The oceans warming up - their water is expanding and causing sea levels to rise.
- There are changes in where different species of plants and animals can live
- More extreme weather events e.g., drought and flooding.
- Habitats are being destroyed, leading to higher risks of extinction

| Fossil fuels | Fossil fuels are made from decomposing plants and animals. These fuels are found in <br> the Earth's crust and contain carbon and hydrogen, which can be burned for energy. <br> Coal, oil, and natural gas are examples of fossil fuels. |
| :--- | :--- |
| Greenhouse <br> gases | The main gases responsible for the greenhouse effect include carbon dioxide, <br> methane, nitrous oxide, and water vapour |
| Bush fires | It is a fire in scrub or a forest, especially one that spreads rapidly. |
| Afforestation | the act or process of establishing a forest especially on land not previously forested |
| Alternative <br> energy | Alternative Energy refers to energy sources other than fossil fuels. This <br> includes all renewable sources and nuclear. |

## Geography

Enquiry 3: How does a river change as it travels towards the sea?

What is the water cycle?
The water cycle is also known as the hydrological cycle. It is called a cycle because water continuously moves around the system. Rivers are part of this cycle.

What are the different stages of a river?
River stages and landforms:
Upper course: Shallow and narrow channel - Waterfall - Interlocking Spur - V-shaped Valley.

Middle course: Meandering River-Ox bow Lake
Lower course: Wide \& deep channelEstuary - Delta

## Key terms:

| Erosion | Is when land is worn away by another material |
| :--- | :--- |
| Transportation | Is when Rivers pick up and carry material as they flow downstream. |
| Deposition | Is the process in which sediments, soil and rocks are added to a landform <br> or landmass. |
| Drainage basin | Is the area of land drained by a major river and its tributaries. |
| Meander | The remains of the bend in the river in a river channel. |
| Ox-bow lake | Is a generally flat area of land next to a river or stream |
| Floodplain | Occurs when two or more flowing bodies of water join together to form a <br> single channel. |
| Confluence |  |

## What processes occur along a river?

## Erosion types:

Abrasion: the mechanical scraping of a rock surface by friction between rocks and moving particles during their transport by wind, glacier, waves, gravity, running water or erosion.
Attrition: The particles are knocked about as they are transported, and they gradually become more rounded and reduced in size.
Hydraulic Action: is the erosion that occurs when the motion of water against a rock surface produces mechanical weathering. Water is forced into cracks which forces the material apart.
Solution: Chemicals in the water cause materials in rocks or riverbed to dissolve and erode away.

## Why do rivers flood?

| Physical causes | Human causes |
| :--- | :--- |
| Geology-Hard impermeable rocks will not <br> allow water to be absorbed. Therefore there <br> will be more surface run-off and a greater <br> risk of flooding. | Urbanisation- Water cannot pass through <br> many of the materials houses are built from <br> so it stays on the surface and floods. <br> Deforestation-Permanent removal for trees. <br> Climate- if there has been a prolonged <br> period of heavy rainfall, the ground will get <br> saturated and the risk of flooding will <br> increase. <br> Rurface run-off. <br> Relief- Surface run-off increases with steep <br> slobal warming- The increase in global <br> to the river flooding. |
| temperatures caused by the burning of fossil <br> fuels. |  |
| Boscastle is a small coastal settlement in the south-west of England. It <br> flooded in August 2004, washing cars and buildings into the sea and <br> putting peoples' lives in danger. |  |

## Transportation types:

Traction: large boulders and rocks are rolled along the river bed.
Saltation: small pebbles and stones are bounced along the river bed.
Suspension: fine light material is carried along in the water.
Solution: minerals are dissolved in the water. flooded in August 2004, washing cars and buildings into the sea and putting peoples' lives in danger.


Timeline of events 1730

1837

1839-42
March-
April 1930
1939-1945
1031
1931

13 colonies established in America
The Indian subcontinent is ruled by
Britin
Britain takes the Cape Colony in after the Napoleonic Wars.

Overarching enquiry question: 'The Empire should be looked back on with pride and enhancing societies around the world.' How far do you agree?
The British empire has been built up over time, beginning in the $16^{\text {th }}$ century. The British wanted to build an empire to expand its economic trade, gain more land and to become more powerful around the world.

The case study that we look at in this topic will focus on the British rule in India. This will include: Reasons why the British wanted to invade India for example, its resources. How the British rule affected the country over time, helping to build but also destroy lives. Why the British eventually left India after the Second World War, due to the amount pressure it was under to let go of its colonies. Most historians argue that the British Empire ended in 1997 when the British officially handed over Hong Kong to China.

| Key words: |  |
| :--- | :--- |
| Empire | A group of countries ruled by a single country |
| Imperialism | Increasing a country's power over other countries or colonies through military force, or by other means. |
| Colonialism | A country or area controlled by another country with people who have settled from the controlling <br> country. |
| Colony | A country or area fully or controlled a little by settlers from a different country. |
| Commissioner | Someone who is chosen by the government and given authority. |
| Blockade | Stopping people from being able to trade. |
| Resources | Supply of money or materials from one country. |
| Native | Someone who is originally from their place of birth. |
| Invasion | When an army or country uses force to enter and take control of another country. |
| Convert | To change someone's beliefs. |
| Uninhabited | No one has ever lived in the area or land before. |
| Principles | A belief in a set of rules that should be followed. |
| Decolonisation | The process of colonies (of one country) becoming politically independent (of that country). |
| Irrigation | Supply of water to help grow crops |
| Progress | To move forward and make improvements over time |
| Enhancing | To make improvements to something |

 China gives the trading port of Hong Kong to Britain The British government takes complete control of India from the East India Company.
Major famine in India, 6 million people die under British rule. George Curzon becomes Viceroy (governor) of India The Montagu Speech. British promise India more freedom for helping in WW1. Massacre at Amritsar - 379 unarmed Indians protesting killed by British troops Mahatma Gandhi leads the Salt March protesting against British taxation. Second World War - by the end Britain runs out of money. Canada and Australia gain independence from Britain, but are part of the Commonwealth. India divided into two separate
countries with Pakistan and gains countries with Pakistan and gains independence from Britain.
Kenya gains independence
Hong Kong is no longer part of Britain and the Empire according to historians comes to an end.

## History: The British Empire

 South Africa from the Netherlands Queen Victoria becomes Queen of EnglandOpium Wars between the British and
Opium Wars between the British and
China begins


## What sources should I know about/use?

National Archives documents on the partition of India (primary) -
https://www.nationalarchives.gov.uk/ education/resources/indianindependence/

BBC Bitesize British Empire Overview (secondary) -
https://www.bbc.co.uk/bitesize/topics/27 kvf82/articles/zpiv3j6
Key Words:
אני אוהב | I like (male) | Ani ohev
אני אוהבת | like (female) | Ani ohevet
I don’t like (male) | Ani lo ohev | אני לא אוהב
I don’t like (female) | Ani lo ohevet | אני לא אוהבת
Because | Kee | כי
It is | Ze |r

| House | Bayit | בית |
| :---: | :---: | :---: |
| Flat | Dira | דירה |
| Bedroom | Cheder Shena | חדר שינה |
| Living room | Salon | סלון |
| Dining room | Cheder Ochel | חדר אוכל |
| Kitchen | Mitbach | מטבח |
| Bathroom | Sherootim | שירותים |
| Study | Cheder Avoda | חדר עבודה |
| Garden | Gina | גינה |
| In my house there is... <br> בבית שלי יש Babayit sheli yesh |  |  |
| In my flat there is... <br> בָּדירה שלי יש Badira sheli yesh |  |  |

The Holocaust /Shoah in Hebrew
This unit is serious and covers sensitive facts and themes. It teaches us the importance of speaking out against prejudice, racism and anti- semitism. We are one community made up of people from all faiths and backgrounds; we celebrate this.

## Key Words:

Nazi Holocaust/Shoah the mass murder, by the Nazis, of 6 million Jews and 5 million other people; this happened in Germany and across Europe from 1933-1945
Nazis members of the National Socialist (German Workers') Party, led by Adolf Hitler, which controlled Germany from 1933 to 1945
Prejudice an unfair and unreasonable opinion or feeling, especially when formed wit hout enough thought or knowledge
Racism harmful or unfair things people think, say or do to others, based on their race e.g. antisemitism

Antisemitic a dislike, prejudice or discrimination towards Jews
Persecution unfair or cruel treatment of a group of people over a period of time, usually based on their beliefs
Segregation keeping one group of people separate or apart from one another, usually because of their race or beliefs
Ghetto an area of a city where the Jews were forced by the Nazis to live together in very bad conditions; one of most well-known was in Warsaw, Poland
Yellow star Jews were made to wear this in Germany and across Europe to show people who they were and to make them feel separate
Concentration camps places across Europe where Jews and others were kept prisoners by the Nazis; conditions were very bad and many died of disease Extermination camps These places were used by the Nazis to kill Jewish people and others, on a large scale; Auschwitz is an extermination camp in Poland

## Jewish Studies

Resistance fighting against something or refusing to accept something. During the Holocaust, Jews and others tried to resist the Nazis. Some formed groups and literally fought back. Others kept their faith when the Nazis tried to destroy it. Some others tried to keep life gong in the ghettos such as through studying or painting what they saw. We look at some incredible people who resisted in different ways:

- The Klausenberger Rebbe
- Janusz Korczak
- Anne Frank
- Oskar Schindler


## Challenge:

Look up one of these people and learn two facts about them.

## Super Challenge:

Why it is important to learn about and remember the Holocaust today?


The Land of Israel/Eretz Yisrael - the Holy Land promised to the Jewish people in the Torah. The country they lived in after they were freed from slavery in Egypt and received the Torah on Mount Sinai. Covenant - a two way promise that can never be broken. Abraham - the first father of the Jewish people. G-d made a covenant with him, promising the Jewish people the Land of Israel. Exile - when the Jews were forced to leave the Land of Israel. Diaspora - countries across the word, outside of Israel, where the Jewish people live (after they were exiled).
The Year 70 - when the Romans destroyed the second Holy Temple in Jerusalem, and the Jewish people were then exiled from the Land.
Medinat Yisrael - the modern State of Israel, established in 1948 by a vote in the United Nations.
United Nations - an international organisation set up in 1954, who aim to solve world problems in a peaceful way.

You will look at the lives of Theodor Herzl and Eliezer Ben Yehuda. This film tells you about Eliezer Ben Yehuda. https://www.youtube.com/watch?v=jzPDmhihPBM

Challenge: Research some of the achievements of Modern Day Israel; examples include salination, cherry tomato.

## Maths - Unit 5 Real-life graphs

## Key Concepts

A distance-time graph, plots time against the distance away from a starting point.

Speed can be calculated from these graphs by finding the gradient of the graph.

Horizontal lines are sections where the object is stationary.

## \& hegartymaths <br> 874-879

## Examples

Horizontal sections are where the object is stationary

Diagonal lines show the object moving away from home or moving closer to home



$$
\begin{gathered}
\text { Speed }=\frac{\text { distance }}{\text { time }} \\
\text { Speed }=\frac{21}{1} \\
\text { Speed }=21 \mathrm{~km} / \mathrm{h}
\end{gathered}
$$

A distance-time graph shows the journey of someone from home to the shop and back again.

1) How long were they at the shop for?
2) How far away from home is the shop?
3) How far did they travel in total?
4) What speed did they travel on the way to the shop in $\mathrm{km} / \mathrm{h}$ ?

## Maths - Unit 5 Real-life graphs

## Key Concepts

Coordinates in 2D are written as follows:
$x$ is the
value that
is to the

left/right $\quad$| $y$ is the |
| :---: |
| value |
| that is to |
| up/down |

Straight line graphs always have the equation:

$$
y=m x+c
$$

$m$ is the gradient i.e. the steepness of the graph. $c$ is the y intercept i.e. where the graph cuts the $y$ axis.

Plot the graph of $y=x+1$ Examples

| $x$ | $\mathbf{0}$ | $\mathbf{1}$ | $\mathbf{2}$ |
| :---: | :---: | :---: | :---: |
| y | 1 | 2 | 3 |



Calculate the equation of this line:


$$
y=m x+c
$$

$$
m=\frac{4}{2}
$$

$$
=2
$$

$$
y=2 x+c
$$

Substitute in a coordinate: $(2,7)$

$$
7=(2 \times 2)+c
$$

$$
3=c
$$

$$
y=2 x+3
$$

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199,200,205,207211,214


1) Plot the line $y=3 x-2$
2) Find the equation of the line for the attached graph.


## Maths - Unit 6 Decimals and ratio

## Key Concepts

An amount can be divided into a given ratio.

Red: Green
1:3

For every 1 red there are 3 greens.
A ratio can be converted into fractions.

Red : Green
1:3
$\frac{1}{4}$ are red and $\frac{3}{4}$ are green

并 hegartymaths
329, 330, 332-337

A woman has $£ 400$. She is going to split her money between her two children in the ratio 2:3. How much does each child receive?


Child 1 receives $£ 160$ and Child 2 receives £240.

There are boys and girls at a party in the ratio 5:2.
There are 15 more boys than girls. Calculate the number of people at the party.


1) Ann made some cakes. She made vanilla cakes and chocolate cakes in the ratio 2:9. What fraction of the cakes were chocolate?
2) Share $£ 25$ in the ratio $7: 3$
3) Katy and Becky share some money in the ratio 2:1. Katy receives $£ 10$ more than Becky. How much do they each receive?
4) Claire and John share some money in the ratio 3:2. Claire receives $£ 18$. How much does John receive?

## Maths - Unit 6 Decimals and ratio

## Key Concepts

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

When working with best value in monetary terms we use:
Price per unit $=\frac{\text { price }}{\text { quantity }}$
In recipe terms we use:

> Weight per unit
$=\frac{\text { weight }}{\text { quantity }}$

If 20 apples weigh 600 g . How much would 28 apples weigh?
$600 \div 5=120 \mathrm{~g} \xrightarrow{\text { weight of } 4 \text { apples }}$
$7 \times 4=28$ apples $\quad 7 \times 120=840 \mathrm{~g}$
Box A has 8 fish fingers costing $£ 1.40$.
Box $B$ has 20 fish fingers costing $£ 3.40$.
Which box is the better value?


$$
\begin{aligned}
A & =\frac{£ 1.40}{8} \\
& =£ 0.175
\end{aligned}
$$

$$
B=\frac{£ 3.40}{20}
$$

$$
=£ 0.17
$$

Therefore Box B is better value as each fish finger costs less.

## Examples

The recipe shows the ingredients needed to make 10 Flapjacks.
How much of each will be needed to make 25 flapjacks?

Ingredients for 10 Flapjacks
80 g rolled oats
60 g butter
$30 \mathrm{~m} /$ golden syrup
36 g light brown sugar

| Method 1: Unitary |  |
| :--- | :--- |
| $80 \div 10=8$ | $30 \div 10=3$ |
| $8 \times 25=\mathbf{2 0 0 g}$ | $3 \times 25=\mathbf{7 5}$ |
|  |  |
| $60 \div 10=6$ | $36 \div 10=3.6$ |
| $6 \times 25=\mathbf{1 5 0 g}$ | $3.6 \times 25=\mathbf{9 0 g}$ |
| Method 2: 5 flapjacks |  |
| $80 \div 2=40$ | $30 \div 2=15$ |
| $40 \times 5=\mathbf{2 0 0 g}$ | $15 \times 5=\mathbf{7 5 g}$ |
|  |  |
| $60 \div 2=30$ | $36 \div 2=18$ |
| $30 \times 5=\mathbf{1 5 0 g}$ | $18 \times 5=\mathbf{9 0 g}$ |

## 戻 hegartymaths

335-337

Key Words
Unitary
Best Value Proportion Quantity


## Maths - Unit 7 Lines and angles

## Key Concepts

Regular polygons have equal lengths of sides and equal angles.

Angles in polygons
Sum of interior angles

$$
=(\text { number of sides }-2) \times 180
$$

Exterior angles of regular polygons $=\frac{360}{\text { number of sides }}$

## Types of angle

There are four types which need to be identified - acute, obtuse, reflex and right angled.

## 官 hegartymaths 455, 456, 560-564



Examples

Obtuse is between $90^{\circ}$ and $180^{\circ}$


Key Words Polygon Interior angle Exterior angle Acute Obtuse
Right angle

## Questions



1) Calculate the sum of the interior angles for this regular shape.
2) Calculate the exterior angle for this regular shape.
3) Calculate the size of one interior angle in this regular shape.

## Maths - Unit 7 Lines and angles

## Key Concepts

Angles in a triangle equal $180^{\circ}$.
Angles in a quadrilateral equal $360^{\circ}$.
Vertically opposite angles are equal in size.
Angles on a straight line equal $180^{\circ}$.
Base angles in an isosceles triangle are equal.
Alternate angles are equal in size.
Corresponding angles are equal in size.
Allied/co-interior angles are equal $180^{\circ}$


Examples


$$
\begin{aligned}
& ?=360-(65+110+87) \\
& ?=98^{\circ}
\end{aligned}
$$



实 hegartymaths
477-480, 481-483

Key Words Angle Vertically opposite Straight line Alternate Corresponding Allied
Co-interior

$$
b=32^{\circ}
$$

Calculate the missing angle:


## Questions

$$
b=(180-116) \div 2
$$





## Performing Arts: Drama

Unit: Commedia Dell' Arte

## Commedia Dell' Arte

Commedia dell' Arte is an improvised style of popular comedy that originated in Italy in the 16th-18th centuries. Originally it was performed in town centres and moveable stages. Stock characters are used to create easily recognisable characters which are performed with the aid of a mask. Actors adapted their comic dialogue and action according to a few basic plots (commonly love intrigues) and to topical issues.


Different masks are used in Commedia dell' Arte. Here are some examples of masks made by your peers.

Each character is performed with a different part of the body leading how you walk. This diagram not only shows this but also the status of the characters.

## Key Command Words:

Describe: Tell me what you see or do Explain: Tell me why you did it or why they did it Evaluate: Tell me how it could be improved or what was good about it.


Commedia dell' Arte
Commedia
performances must:

- Have a Lazzi
- Use improvisation
- Use stock characters

Commedia stock
characters must:

- Be exaggerated
- Talk in gibberish
- Exaggerate status
- Wear masks

Where does Commedia dell' Arte come from?


## Performing Arts: Drama

## Unit: Commedia Dell' Arte

## Lazzi Rules

-A Lazzi is a short comic break in the action.
-They usually involve the low status characters and involve lots of foolery.
-They are inspired by the action but do not further it in any way.


I'm less powerful than you; therefore, I have a low status.

## Useful Revision:

A historical overview of Commedia dell' Arte:
https://www.youtube.com/watch?v=mqlfTG40RUI
The world of Commedia dell' Arte:
https://www.youtube.com/watch?v=h_0TAXWt8hY\&t=222s
How to create commedia dell' Arte characters:
https://www.youtube.com/watch?v=JJEwuurzDe4

| Physical Skills | Definition | Example |
| :--- | :--- | :--- |
| P - Posture | The way you hold yourself | Hunched back, straight back |
| E - Eye Contact | Where you are looking | Staring, looking at the floor, <br> quickly looking |
| T - Tension | How tight or relaxed your body is | Clenched fists, locked knees |
| F - Facial Expression | How you are modifying your face | Closed Eyes, Wide open <br> mouth |
| L - Levels | The heights used within the <br> performance. | Standing on toes, crawled <br> up in a ball |
| A - Action | Movements that have specific <br> meanings | Thumbs up, waving, peace <br> sign |
| G - Gait | The way you are walking | Skipping, stomping, floating |
| S - Space | The area that you are using | Are you standing close or <br> far away |

## Performing Arts: Music

Unit: Bhangra Music

## Bhangra music

Bhangra music is the classical music of India. It has two major traditions: the North Indian classical music known as Hindustani and the South Indian expression known as Carnatic.

## Dynamics

Generally, increase throughout a Raga performance starting of softly (piano) during the ALAP and JHOR with a gradual crescendo in the KHALA and very loud at the end (fortissimo).

Form \& Structure
FOUR sections (no breaks)

- ALAP - melody and drone, free un-metred, slow, soft.
- JHOR - melody and drone, increase in speed, more rhythmic
- JHALA - melody and drone, more speed and improvisation
- GAT - Tabla enters, tempo and dynamics increase.

Characteristics Rhythms and Meters, Traditional rhythm patterns \& Repetition and Ostinato

- Based on TALAS (cyclic/repeating rhythm patterns) played by the TABLA.
- One single TALA used for a piece. Each TALA has a certain number of beats (regular and irregular TALAS are used).
- The most popular TALA is called TINTAL- 16 beats per cycle. Over 300 TALAS. HAND CLAPS and WAVES are used to mark certain beats.


## Pitch \& Melody and Harmony

\& Tonality

- Melodies based on RAGAS (scale/mode) - patterns of notes with strict rules about usage.
- RAGAS (scales) associated with a particular time of day or night or season and have different MOODS.
- Some RAGAS (scales) vary in ascent and descent e.g. Raga Vibhas (morning Raga); Raga Behag(evening Raga).
- RAGAS are written down used SARGAM notation.


## Tempo

- ALAP - slow and free un-metred rhythm with no recognisable beat or pulse.
- JHOR - speeds up and becomes more rhythmic.
- JHALA - further increase in tempo and greater sense of metre.
- GAT - very fast tempo with complex rhythms.
- TEMPO RUBATO sometimes added by performers during performance.


## Bhangra Music

*Bhangra started as a folk dance to celebrate the coming of the harvest.
*It is now performed throughout the year, throughout the world for many weddings, parties and special occasions.
*Dancers wear bright, colorful and baggy clothes, the men wear turbans, and the women wear beautiful jewelry.
*People dance and sing to the sound of the dohl drum. The drum is worn around the body and can be really big. Both ends of the drum are played with two sticks. One is called the daga and plays the bass beat and the tili plays the treble
*Bhangra music fuses pop music, film music and folk music.


## Performing Arts: Music

Unit: Bhangra Music


## PE - Basketball



## PE - Table Tennis

|  | Key Vocabulary | Key Images |
| :---: | :---: | :---: |
| Dribling | Head up, spread figesers and fingerits, wist height. | Figure 5.7 Backhand Short Backspin S |
| Backhand push | The ball is played on the backhand side, with a flat bat face to push the ball over the net, and move the opponent consistently out of position |  |
| Forehand push | The ball is played on the forehand side, with a flat bat face to push the ball over the net, and move the opponent consistently out of position | \| |
| Serve (Develop) | The first shot to begin a rally. The serve is alternated between the two players, after two serves the service goes to the opposite player regardless of the winning shot |  |
| Forehand topspin | A shot played on the forehand side, contact cuts on an angle to the ball to make it move differently, and move the opponent consistently out of position | BEGINNING POSITION <br> BACKSWING |
| Doubles/Singles play | Working alone or as a two to outwit the opponents. |  |
| Scoring and Umpiring | The performer who keeps track of the game situation. | 4. Shaze-hands stip |
|  | Challenge Questions | Dig Deep \& Discover |
| What ways can we vary the service to an opponent? <br> When playing the forehand push how should bat be positioned to help the balls land in court consistently? <br> What tactics can we use to outwit an opponent in Doubles /Singles? |  | Find local clubs (P26) <br> https://www.redbridge.gov.uk/media/7611/sports-club- <br> directory.pdf <br> https://www.ittf.com <br> https://www.tabletennisengland.co.uk |


| Key Vocabulary | Key Images |
| :---: | :---: |
| Unison - Two or more dancers performing the same movement at the same time. <br> Isolation - An independent movement of part of the body. <br> Control - The ability to start and stop improvement, change direction and hold a shape efficiently. <br> Coordination - The efficient combination of body parts. <br> Projection - The energy the dancer uses to connect with and draw in the audience. <br> Facial Expression - Use of the face to show mood, feeling or character. |  |
| Challenge Questions | Dig Deep \& Discover |
| What are the three most important traits a dancer should have and why? <br> How do you successfully warm-up before a dance lesson? <br> Research and summarise a what a flash mob dance is and why they are performed. | Find local clubs (P15) <br> https://www.redbridge.gov.uk/media/7611/sports-clubdirectory.pdf <br> https://www.britishdancecouncil.com/ <br> https://www.onedanceuk.org/ <br> https://www.adfp.org.uk/ |

## PE - Fitness



Science Term 2 - Energy

## Energy adds up

Particles
The law of conservation of energy states that energy cannot
be created or destroyed, only transferred.
total energy before = total energy after
Transferring energy
Light, sound, and electricity are ways of transferring energy between different stores.

## Energy and temperature

- Thermometers measure temperature in degrees Celsius $\left({ }^{\circ} \mathbf{C}\right)$
- Temperature measures the average energy
- Thermal energy measures the total energy

A warm bath has more thermal energy than a heated kettle, even though the kettle has a higher temperature.

Heating solids, liquids, and gases

- As we heat things the particles gain more kinetic energy, and vibrate more or faster.
The energy needed to heat an object depends on the mass, material and temperature rise.


## Equilibrium

Equilibrium is when objects have the same thermal energy.

Energy and power

## Renewable resources

Renewable resources produce greenhouse gases when built, not when used, and will not run out.
and will not run out.
For example, wind, tidal, wave, hydroelectric, geothermal, biomass, and solar powers.


Science Term 2 - Electricity and Magnetism

Charging up
Static electricity: by rubbing insulators together electrons are transferred, which gives the objects magnetic charges.


Like charges repel, and opposite charges attract. Charged objects have electric fields around them. These lines show how a positive charge will act.

## Series and parallel circuits

In a series circuit all of the components are connected in one loop. If one component or wire breaks, current stops flowing everywhere.

Series circuits
contain only one loop

- the current is the same everywhere
- the potential difference across each component adds up to the potential difference across the battery


## Resistance

The resistance is a measure of how easy it is to pass through a component.

## conductors - low resistance

insulators - high resistance
Resistance is calculated by measuring the potential difference and the current.
The unit for resistance is the ohm ( $\Omega$ ).

## Magnets

- Magnets have north and
south poles.
- Opposite poles attract, and

| the same |
| :--- |
| poles repel: |

## Magnetic fields

- A magnet has a field around it
- You can see the field around a bar magnet with a small compass or iron filings.
- If the lines are close together the field is stronger


Parallel circuits

- contain multiple branches
- currents in all the branches add up to make the total current
- the potential difference across each component is the same as the potential difference across the battery



## Circuits and currents

- Current is the amount of charge flowing per second.
- It is measured with an ammeter (connected in series).
- The unit for current is the amp (A)


## Electromagnets

ectromagnets are only magnetic when they have a flow of current, so they can be turned off.

- They are made by running a current through a coil of wire.
- They usually have an iron core in the middle of the coil, which makes them stronger

You can make an electromagnet stronger by

- adding more turns of wire on the coil
- using more current.



## Uses of electromagnets

- moving cars or other metal objects
- sorting iron and steel from aluminium
- making motors and speakers
- making levitating trains, which travel much faster as there is no friction

How motors work
Applying a current to a coil of wire makes it
electromagnetic.

This causes a force between the coil of wire and the permanent magnet nearby, driving a motor.

## Potential difference

Potential difference is the amount of energy transferred by the charges in the circuit. - It is measured with a voltmeter (connected in parallel). The unit is the volt (V).

## Science Term 2 - Metals and Acids

## Metals and acids

- If a metal reacts with an acid, it produces a salt and hydrogen gas. - All acid compounds have hydrogen in them.
- When the hydrogen is replaced by a metal, the compound is called a salt For example, sulturic acid has the formula $\mathbf{H}_{2} \mathrm{SO}_{f}$, Copper sultate has the formula $\mathrm{CuSO}_{4}$ - it is a salt because the copper has taken the place of the hydrogen in sulturic acid.


## Metals and water/steam

- Very reactive metals like sodium will react with cold water to produce a metal hydroxide and hydrogen gas.
sodium + water $\rightarrow$ sodium hydroxide + hydrogen
$2 \mathrm{Na}(\mathrm{s})+2 \mathrm{H}_{2} \mathrm{O}(\mathrm{l}) \rightarrow \quad 2 \mathrm{NaOH}(\mathrm{aq}) \quad+\mathrm{H}_{2}(\mathrm{~g})$
- Other metals like magnesium only react with steam, and produce a metal oxide and hydrogen.
magnesium + steam $\rightarrow$ magnesium oxide + hydrogen
$\mathrm{Mg}(\mathrm{s}) \quad+\mathrm{H}_{2} \mathrm{O}(\mathrm{g}) \rightarrow \quad \mathrm{MgO}(\mathrm{s}) \quad+\mathrm{H}_{3}(\mathrm{~g})$
Magnesium can be reacted with steam using the following experimental set-up.


The three main acids are hydrochloric acid, sulfuric acid, and nitric acid. Metals can react with all of these acids to produce a salt and hydrogen gas. copper + hydrochloric acid $\rightarrow$ copper chloride + hydrogen
iron + sulfuric acid $\rightarrow$ iron sulfate + hydrogen
magnesium + nitric acid $\rightarrow$ magnesium nitrate + hydrogen

## Testing for hydrogen gas

The gas produced when reacting a metal and a salt can be collected in an upturned test tube, and a test performed to check that the gas is hydrogen. insert a if splint into the upturned test tube - if the gas is hydrogen, there will be a 'pop' sound.

## Metals and oxygen

- Many metals will react with oxygen from the air to produce a metal oxide. - Often, they will need to be heated before they can react.

| Metal | Reaction with oxygen |
| :--- | :--- |
| magnesium | burns vigorously |
| zinc | burns less vigorously |
| iron | burns |
| lead | do not burn; when heated, form layer <br> of oxide on surface |
| copper | no reaction |
| gold |  |

## Metal displacement reactions

- A displacement reaction occurs when a more reactive element takes the place of a less reactive element in a compound.
- In metals, this means that the more reactive metal will become a compound,
and the less reactive one an element.
For example, iron is more reactive than copper so:


## The reactivity series

most reactive
potassium
sodium
lithium
calcium
magnesium
aluminum
zinc
iron
lead
copper
silver
gold
east reactive

## State sumbols

Symbol equations have letters in brackets after each substance.
These tell you the state of matter of each substance, and are called state symbols
$\mathrm{s})=$ solid, $(\mathrm{I})=$ liquid, $(\mathrm{g})=$ gas, $(\mathrm{ag})=$ dissolved in water for examole, $\mathrm{H}_{3} \mathrm{O}(\mathrm{s})$ is ice, $\mathrm{H}_{3} \mathrm{O}(\mathrm{l})$ is water, $\mathrm{H}_{3} \mathrm{O}(\mathrm{g})$ is steam, and vaCl(aa) is sodium chloride (table salt) dissolved in water.

Key terms

| Monté en bici. | I rours. my bike. |
| :--- | :--- |


| Palabras muy | High-frequency | Vi una película. | I watched a film. |
| :---: | :---: | :---: | :---: |
| frecuentes | words | Salí con mis amigos. | I went out with my |
| asíque | so (that) |  | friends. |
| más... que... | more... than... | No hice los deberes. | I didn't do my |
| mi, mis | my |  | homework. |
| tu/tus | your | ayer | yesterday |
| su, sus | his/her | luego | later, then |
| normalmente | normally | por la mañana | in the morning |
| no | no, not | por la tarde | in the afternoon |
| nunca | never | un poco más tarde | a bit later |
| a veces | at times |  |  | Salí con mis amigos. I went out with my friends.

No hice los deberes. I didn't do my homework. yesterday

| labras muy | High-frequency | Vi una película. | I watched a film. |
| :---: | :---: | :---: | :---: |
| frecuentes | words | Salí con mis amigos. | I went out with my friends. |
| asíque | so (that) |  |  |
| más... que... | more... than... | No hice los deberes. | I didn't do my |
| mi, mis | my |  | homework. |
| tu/tus | your | ayer | yesterday |
| su, sus | his/her | luego | later, then |
| normalmente | normally | por la mañana | in the morning |
| no | no, not | por la tarde | in the afternoon |
| nunca | never | un poco más tarde | a bit later |
| a veces | at times |  |  |

El telediario (the television news) is always singular in Spanish
For example:
Me gusta el telediario porque es informativo
Palabras muy High-frequency

| recepcionista | ¿Cómo eres? |
| :--- | :--- |
|  | What are you like? |
| En mi opinión, soy... | In my opinion, I am... |
| Creo / Pienso que | I think / am... |
| soy... |  |
| Soy muy / bastante... | I am very / quite... |
| ambicioso/a | ambitious |
| creativo/a | creative |
| independiente | independent |
| inteligente | intelligent |
| organizado/a | organised |
| paciente | patient |
| práctico/a | practical |
| responsable | responsible |
| serio/a | serious |
| sociable | sociable |


\section*{| Opiniones | Opinions |
| :--- | :--- |
| Me gusta... | I like... |}

Los trabajos en
el hotel

| el hotel |  |
| :--- | :--- |
| Soy... | lam... |
| camarero/a | a waiter |
| cocinero/a | a cook |
| dependiente/a | a shop assistant |
| esteticista | a beautician |
| jardinero/a | a gardener |
| limpiador(a) | a cleaner |
| peluquero/a <br> recepcionista | a hairdresser |


| Opiniones | Opinions |
| :--- | :--- |
| ¿Te gusta tu trabajo? | Do you like your job? |
| (No) Me gusta (nada) | I (don't) like my job (at all) |
| mi trabajo porque es... | because it is... |
| difícil | difficult |
| duro | hard |
| estimulante | stimulating |
| estresante | stressful |
| interesante | interesting |
| monótono | monotonous |
| repetitivo | repetitive |
| ¿Cómo es tu jefe? | What is your boss like? |
| Mi jefe/a (no) es muy <br> educado/a. | My boss is (not) very polite. |
| ¿Cómo son los clientes? | What are the customers like? |
| Los clientes son exigentes / | The customers are demanding / |
| maleducados. | rude. |
| Mis compañeros son simpáticos. | My colleagues are nice. |

Mis compañeros son simpáticos. My colleagues are nice.

## Describe tu trabajo

## Describe your job

$\begin{array}{ll}\text { ¿En qué trabajas? } & \text { What do you do for a living? } \\ \text { ¿Por qué decidiste ser...? } & \text { Why did you decide to be a...? }\end{array}$
Me gusta mucho... y por eso decidí I really like... and so I decided to be a... ser...
Estudié... y me encantó. I studied... and I loved it.
¿Cómo es un día de trabajo típico? What is a typical working day like?
Hablo con clientes. I talk to customers.
Leo mi agenda. I read my diary.
Preparo mis cosas. I prepare my things.
Trabajo con mi equipo. I work with my team.
Voy a la oficina. I go to the office.
¿Qué cualidades tienes que tener? What qualities do you need to have?
Tienes que ser... You need to be..
En mi trabajo, los idiomas son muy In my job, languages are very
importantes.
Hable important.
Cuá español, alemán e inglés. I speak Spanish, German and English.

## futuro?

Voy a estudiar / trabajar en... I am going to study / work in...
iVa a ser guay / fenomenal / flipante! It is going to be cool / fantastic /awesome!

## SPANISIT

| cEn qué consiste tu <br> trabajo? | What does your job <br> involve? |
| :--- | :--- |
| Tengo que... | I have to... |
| contestar al teléfono y <br> ayudar a los clientes <br> cortar el pelo a los <br> clientes | answer the phone and <br> help customers <br> cut customers' hair |
| cuidar las plantas | look after the plants |
| hacer manicuras | do manicures |
| limpiar habitaciones | clean rooms <br> prepare food |
| preparar comida <br> servir la comida en el <br> restaurante <br> sender productos en laod in the <br> restaurant <br> sell products in the shop |  |
| tienda |  |


¿Qué hiciste ayer? What did you do

## Bailé en mi cuarto. I danced in my room

Fui al cine. I went to the cinema. Hablé por Skype. I talked on Skype. Hice gimanasia. I did gymnastics. $\begin{array}{ll}\text { Hice gimanasia. } & \text { I did gymnastics } \\ \text { Hice kárate. } & \text { did karate. }\end{array}$ Hice kárate. I did karate.
Jugué en línea con mis I played online with
$\begin{array}{ll}\text { Jugué en línea con mis I played online } \\ \text { amigos. } & \text { my friends. }\end{array}$ $\begin{array}{ll}\text { Jugué tres horas. } & \begin{array}{l}\text { I played for three } \\ \text { hours. }\end{array}\end{array}$

| Me gusta... | I like... |
| :--- | :--- |
| Me gusta mucho... | I like... very much |

Me encanta... I love...
No me gusta... I don't like...
No me gusta nada... I don't like... at all
la letra
$\begin{array}{ll}\text { la melodía } & \text { the lyrics } \\ \text { la } & \text { the }\end{array}$
$\begin{array}{ll}\text { el ritmo } & \text { the tune } \\ \text { la rhythm }\end{array}$
$\begin{array}{ll}\text { el ritmo } & \text { the rhythm } \\ \text { porque es guay, } & \text { because it is cool, sad }\end{array}$ $\begin{array}{ll}\text { porque es guay, } & \text { because it is cool, sad, } \\ \text { triste, horrible } & \text { horrible }\end{array}$ $\begin{array}{ll}\text { triste, horrible } & \text { horrible } \\ \text { ¿Te gusta la música } & \text { Do you like One }\end{array}$
$\begin{array}{ll}\text { ¿Te gusta la música } & \text { Do you like One } \\ \text { de One Direction? } & \text { Direction's music? }\end{array}$
de One Direction? $\quad$ Direction's music?
Me gusta la música $\quad I$ like Adele's music.
de Adele.
mi canción favorita my favourite song mi cantante favorito, my favourite singer favorita
mi grupo favorito my favourite group En mi opinión... In my opinion...

## Chateo

I talk on Skype.
$\qquad$

Saco fotos.
Veo vídeos o películas.

| Me gustan las <br> comedias | I like comedies |
| :--- | :--- |
| un programa de <br> música | a music <br> programme |
| un programa de | a sports |
| deportes | programme |
| un concurso | a game show |
| un documental | a documentary |
| un reality | a reality show |
| una comedia | a comedy |
| una serie | a police series |
| policíaca |  |
| una telenovela | a soap opera |
| el telediario | the news |
| más... que... | more... than... |
| divertido | funny |
| Informativo/a | informative |
| interesante | interesting |
| aburrido/a | boring |
| emocionante | exciting |


| ¿Qué tipo de música te <br> gusta?  | What type of music do you like? |
| :--- | :--- |
| el rap | rap |
| el R'n'B | $R^{\prime} n^{\prime} B$ |
| el rock | rock |
| la música clásica | classical music |
| la música electronica | electronic music |
| la música pop | pop music |
| ¿Qué tipo de música | What type of music do you listen |
| escuchas? | to? |
| Escucho rap. | I listen to rap. |
| Escucho la música de Adele. | I listen to Adele's music. |
| Escucho de todo. | I listen to everything. |

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U

| ¿En qué te gustaría trabajar? | What job would you like to do? |
| :--- | :--- |
| Me gustaría ser... | I would like to be... |
| Quiero ser... | I want to be... |
| abogado/a | a lawyer |
| cantante | a singer |
| diseñador(a) | a designer |
| enfermero/a | a nurse |
| mecánico/a | a mechanic |
| periodista | a journalist |
| policía | a police officer |
| taxista | a taxi driver |
| Me gustaría... | I would like... |
| No me gustaría (nada)... | I wouldn't like... (at all) |
| trabajar al aire libre | to work in the open air |
| trabajar con animales | to work with animals |
| trabajar con niños | to work with children |
| trabajar en equipo | to work in a team |
| trabajar en una oficina | to work in an office |
| trabajar solo/a | to work alone |
| hacer un trabajo creativo | to do a creative job |
| hacer un trabajo manual | to do a manual job |


| ¿Con qué frecuencia? | How often? |
| :--- | :--- |
| todos los días | every day |
| dos o tres veces a la | two or three times a |
| semana | week |$\quad$| a veces | sometimes |
| :--- | :--- |
| de vez en cuando | frome to time |
| nunca | never |

## Adjectives

Remember, adjectives must agree in gender and in number with the nouns they describe

| singular |  |  | plural |  |
| :--- | :--- | :--- | :--- | :---: |
| Masculine | Feminine | Masculine | Feminine |  |
| Creativo | Creativa | Creativos | Creativas |  |
| Responsible | Responsable | Responsables | Responsables |  |
| Práctico | Práctica | Prácticos | Prácticas |  |
| Sociable | Sociable | Sociables | Sociables |  |
| Hablador | Habladora | Habladores | habladoras |  |

辟

| ¿Cómo va a ser tu futuro? | What is your future going to be like? |
| :--- | :--- |
| En el futuro... | In the future... |
| Voy a... | I am going to... |
| ganar mucho dinero | earn lots of money |
| hacer un trabajo interesante | do an interesting job |
| ir a la universidad | go to university |
| ser famoso/a | be famous |
| ser voluntario/a | be a volunteer |
| tener hijos | have children |
| viajar (mucho) | travel (a lot) |
| vivir en el extranjero | live abroad |
| Va a ser (muy) interesante. | It is going to be (very) interesting. |


| Use of present and near future |  |
| :---: | :---: |
| Use the present tense to say what is happening now. |  |
| Use the near future tense to say what is going to happen in the future. |  |
| Viajo mucho I travel a lot | Voy a viajar mucho. <br> I am going to travel a lot. |
| Ganas dinero. | Vas a ganar dinero. |
| You earn money | You are going to earn money |
| Es interesante It is interesting | Va a ser interesante. It is going to be interesting. |

## Use of present and near future

Use the present tense to say what is happening now.
Use the near future tense to say what is going to happen in the future

## Comparatives

When you want to compare two things, you use the comparative.

Más+ adjective+ que... more...than...
The adjective must agree with the noun.
Los realitys son más divertidos que los concursus Reality shows are funnier than game shows.

Las series policíacas son más aburridas que las telenovelas.
Police series are more boring than soaps.

## 

## Use of the article

Make sure you use the correct article and remember to change singular to plural.

Es un concurso- Me gustan los concursos Es una comedia- Me gustan las comedias

Note: The word programa is masculine. (un programa de.../los programas de...).

## Giving opinions

Giving opinions on tv programmes in general.
When you say what sort of programmes you like in general, you need to use the plural form of the programme with "me gustan".

Un concurso- Me gustan los concursos. Una comedia- Me gustan las comedias.

Note that:
Programa is masculine even though it ends in an a.
Un documental- Los documentales. Un reality- Los realitys/ Los realities.

When you give opinions with me gusta, make sure you use el, la, los, or las before the noun. You may not use "the" in English, but you must use el, la, los or las in Spanish.

Le encanta la música pop. He/she loves pop music. Howev, you don't need el or la if you are saying what

Escucho rap. I listen to rap

Present tense $\qquad$
You use the present tense to talk about what usually happens. There are three groups of regular verbs:

| -ar |  | -er |  | -ir |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Hablar | To talk | Leer | To read | Compartir | To share |
| Hablo | I talk | Leo | I read | Comparto | I share |
| Hablas | You talk | Lees | You read | Compartes | You share |
| Habla | He/she talks | Lee | He/she reads | Comparte | He/she reads |
| Hablamos | We talk | Leemos | We read | Compartimos | We share |
| Hablaís | You (pl) talk | Leéis | You (pl) read | Compartís | You (pl) share |
| Hablan | They talk | Leen | They read | Comparten | They share |

Uses of present / preterite
You use:
The present tense to talk about what usually happens.

- The preterite to talk about past events.

All types of verbs (regular -ar,-er and -ir verbs, stem-changing verbs and irregular verbs) change their endings to show whether they are in the present or the preterite.

| Present | Preterite |
| :--- | :--- |
| Monto | Monté |
| Juego | Jugué |
| Veo | Vi |
| Salgo | Salí |
| Hago | Hice |
| Voy | Fui |

The verb hacer (to do/to make) is irregular. Learn its preterite form by heart. Hice I did Hiciste You did Hizo $\mathrm{He} /$ she did Hicimos We did Hicisteis You(pl) did Hicieron They did

Tener + que + infinitive = to have to
Tener to have
Tengo I have
Tienes You have
Tiene He /she has
Tenemos We have
Tenéis You (pl) have
Tienen They have
Tengo que limpiar habitaciones. I have to clean rooms.
¿Tienes que contester al teléfono? Do you have to answer the phone?

Remember that tener is an irregular verb. Revise the full verb in the present tense.

Remember, -ar, -er and -ir verb groups follow different patterns in the present tense and the preterite.
Learn irregular verbs by heart.

|  | Infinitive | Present | preterite | Near future |
| :---: | :---: | :---: | :---: | :---: |
| Regular verbs | Trabajar Leer Decidir | Trabajo Leo Decido | Trabajé Leí Decidí | Voy a trabajar Voy a leer Voy a decidir |
| Irregular verbs | Salir <br> Tener <br> Ir <br> Ser <br> Hacer | Salgo <br> Tengo <br> Voy <br> Soy <br> Hago | Salí <br> Tuve <br> Fui <br> Fui <br> Hice | Voy a salir <br> Voy a tener <br> Voy a ir <br> Voy a ser <br> Voy a hacer |

The verb ir (to go) is irregular in the present (voy, vas, va...) and the preterite:

Fui I went
Fuiste You went
Fue he/she went

Fuimos we went Fuisteis you (pl) went Fueron they went

Remember that fue can also mean he/she/it was
Some other verbs are also irregular in the preterite, e.g hacer: hago (I do/make) hice (/ did/made)

You use the preterite to talk about completed events in the past Do you remember the endings for each group of regular verbs?

| -ar |  | -er |  | -ir |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Hablar | Ta talk | Comer | To eat | Escribir | To write |
| Hablé | I talked | Comí | I ate | Escribí | I wrote |
| Hablaste | You talked | Comiste | You ate | Escribiste | You wrote |
| Habló | He/she <br> talked | Comió | He/she ate | Escribió | He/she wrote |
| Hablamos | We talked | comimos | We ate | escribimos | We wrote |
| Hablasteis | You (pl) <br> talked | comisteis | You (pl) ate | Escibisteis | You (pl) wrote |
| Hablaron | They talked | Comieron | They ate | Escribieron | They wrote | Some verbs have a spelling change in the "I" form: jugué, llegué, navegué.

¿Cómo se forma el presente perfecto? How to form the present perfect
Present tense of HABER + past participle of the verb you are conjugating
He
Has $\quad$ hablado (hablar)
Ha comido (comer)
Hemos $\quad$ salido (salir)

Ejemplos:
He hablado = I have spoken
He estudiado = I have studied He salido = I have gone out

Habéis
Han
¿Cuándo se usa? When do you use it?
It's used to say something that you have done recently. Actions which have taken place close to the present. (Today / this morning / This week etc) Ejemplos:
Hoy he desayunado café - Today I have had coffee for breakfast Esta semana he ido al cine - This week I have been to the cinema Este ano he estado de vacaciones en Paris - This year I have been on holiday to Paris. Nunca he estado en Japón - I have never been to Japan.

## NCORRECT:

Ayer he desayunado café - incorrecto
El martes he ido al cine - incorrecto

