

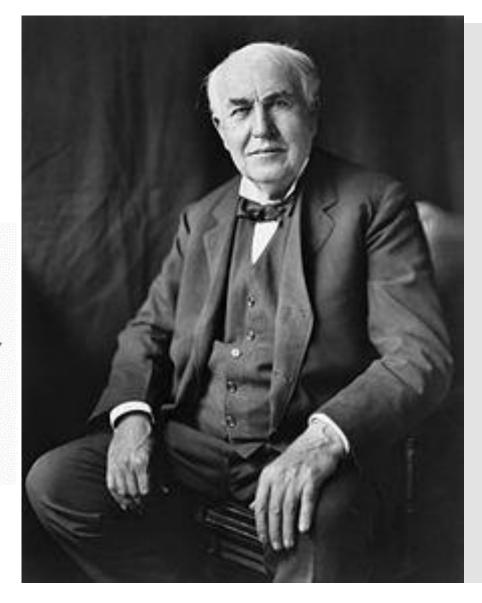
Year 2 Knowledge Organiser

Autumn Term 2021

Thomas Edison

I have not failed. I've just found 10,000 ways that won't work.

Thomas A. Edison







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What are Knowledge Organisers?

What are knowledge organisers?

- A knowledge organiser is a set of key facts or information that pupils need to know and be able to recall in order to master a unit or topic.
- Knowledge organisers outline the essential knowledge that the teachers are covering across a unit of work: including, key dates, key people, vocabulary, definitions and other information.
- The curriculum has a greater focus on retrieval and application of knowledge this
 puts increasing pressure on our children to know and retain even more
 information for longer.
- The secret to success is to regularly revisit the knowledge to be learned (known as 'spaced retrieval'). This helps transfer the knowledge from the short-term memory to the long term memory.





How to use a Knowledge Organiser?

How to use these knowledge organisers

Every week you should be studying one section of these knowledge organisers in order to be prepared for quizzes in class. The quizzes will test the knowledge from the organisers plus knowledge learnt in class that week.

You should be using your notes to self test yourself on the knowledge you have studied in your organiser.

You can do this in a number of different ways, here are a few suggestions:

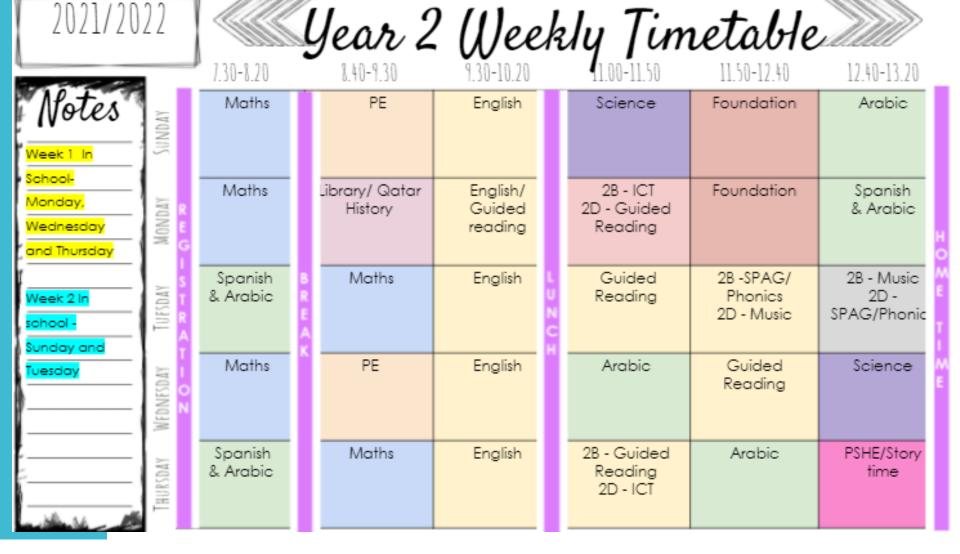
- Read through the organiser
- Teach someone the knowledge in the organiser to see if you understand it
- Write the keywords in your book then cover your KO and see if you can write out the definitions.
- Use the 'Look, Cover, Write, Check and Correct' technique.
- Make up questions from your organiser and answer them later.
- Create a mind map or revision clock and test yourself.
- Read out loud the knowledge organiser into a microphone and listen back to the recording





Primary Timetable— Year 2D Otter Class and 2B Camel Class

Timetable







English -Grammar

Key Vocabulary	Definition	Key Vocabulary	Definition	
Prefix	A group of words added at the beginning of a word (Eg. II- ir- un- re-)	Homophone	Two words which sound the same but are written differently	
Suffix	A group of words at the end of a word (Eg. –ing –ed –ness)	Tense	Shows whether you are writing in past, present or future	
Adjective	A descriptive word used			
	before a noun	Adverb	A word that modifies the verb	
Verb	A doing word	Noun	A person, place or thing	
Question	Ask something	Exclamation	When something is exclaimed	
Connective	For example - and / so / but / because / or / however	Sentence openers	For example – first / then / next / after that / finally	



English – Punctuation

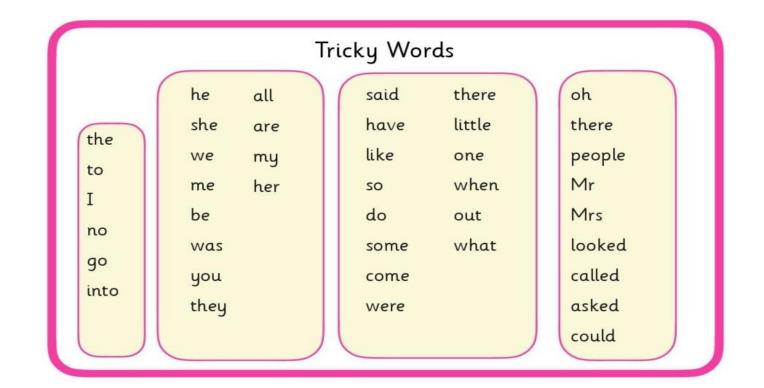
Key Vocabulary	Definition	Key Vocabulary	Definition
Capital letter	Used as an initial letter of a proper noun or the first word of a sentence $A\ B\ C\ D$	Exclamation mark	Used to exclaim strong feelings or high volume
Full stop	Used at the end of a sentence	Apostrophe	To show ownership or to indicate the omission of a letter to contract
Comma	Indicating a pause between parts of a sentence or separating items in a list.	Ellipsis	Indicates an intentional omission of a word or sentence
Question mark	Used at the end of a question	Speech marks	Used around the spoken words.



Phase 3 Sounds ch qu X ZZ W ee igh sh th ai oa 00 ng 00 oi air ure ear or ow ar ur pure 🕬



English – Phonics





















Whoosh in and round you go, Up, down and kick out a's toe.

Whoosh in and up tall and back down. then halfway up and all the way round. Add a lead at the end, so b can join onto a friend.

Whoosh in and curl the c. C joins other letters easily.

Whoosh up halfway and go around, then all the way up and back down. Kick out d's toe, and she's ready to go.

Whoosh in and curl like a snail and leave an easy joining tail.

and go round, and then zoom under the ground. Under the line, loop the last part, and finish your f near its start.

Whoosh in to the top

Whoosh in, go round to the top. Go down under the line, loop and stop.

Whoosh in and up tall, and then down. Halfway up, bend over and flick off the ground.

Whoosh up and down, then kick out a toe. Add a dot and i's ready to go.

English – Handwriting



Whoosh up then zoonm down under the line. Loop the tail then add your dot at the right time.



Whoosh up tall and back down. Go halfway up and around. Go down and out with a flick, your k is ready to kick.



Whoosh in and up

tall. Down to the

ground and make

your flick small.

Whoosh in and then down. Up. over and back to the ground. Up, over and down again, add a flick to finish your m.



Whoosh in and then down. Up, over the hump and flick off the ground.



top for your o.

go down low. Back Whoosh in round you up to the top and go. Lead out from the round you go. Lead out at the end so o can join onto a



Whoose in and round you go. Then zoom under the line and kick out g's big toe.



Whoosh to the top to start. Go down and curve the top for gour r.



Whoosh in and curl left, curl right then lead out of your s.



Whoosh to the top and back down. Then add a flick off of the ground. You need to cross the t, with a straight line on his tummu.



Whoosh up then down. Bend round, go up and down to the ground. Kick out a toe and u is ready to go.



Whoosh up then Whoosh in, then down into the valley. down and back up. Zoom back up and Down again, up and across the top to across at the top. finish your v.



Climb up to the top and then slide down from left to right and have a rest. Jump back to the top, go from right to left and you have an x.



Whoosh in and then

friend.

Whoosh up then down and bend round. Go up then down underground. Loop the tail under the line. Lead the u out and then it's fine.



Whoosh up then to the right. Siz zag down and back to the right.





English – Reading

Key Vocabulary	Definition	Key Vocabulary	Definition	Key Vocabulary	Definition
Comprehension	Understanding what has been read	Explain	Give a reason to justify a point of view or answer	Prediction	Saying what will happen next or as a result of something
Question	Ask questions about the text to further understanding	Sequence	Order events in the book from the beginning to the end	Discuss	Talk about what happens in the book with others.

Recommended Reading List Year 2					
Author	Title	Author	Title		
Hans Christian Anderson	THE Ugly Duckling	Drew Daywalt	The Day the Crayons Quit		
Anthony Brown	Lost and Found	Aesops	Aesops Fables		
Anthony Brown	Voices in the Park	Roald Dahl	Fantastic Mr Fox		





Maths – Place Value

	Number and Place Value				
	Key Voc	abulary			
Partitioning	Splitting a number different ways to	support calculation			
Tens	The value of the first digit in a 2 digit	number (eg 32 has 3 tens)			
Units/ ones	The value of the final digit in a numb	er (eg 45 has 5 units)			
Digit	An individual figure within a number	(eg 1, 2)			
Ordinal number	Numbers which define order (1st, 2nd, 3rd)				
Greater than >	When a number has a higher value th	nan the one it is being compared with			
Less than <	When a number has a lower value tha	an the one it is being compared with			
Equals =	Use to show that both sides of a num	ber sentence are balanced (eg. 3+4=7. 7=3+4, 2+5=3+4)			
	How to help	Useful links			
 Count regularly with your child forwards and backwards in 2's, 3's, 5's and 10's. Beginning at 0 but also starting at any other multiple of that number e.g. start at 20 and count in 2's, 25 and count in 5's Count objects, people, knives and forks Spot numbers on the way to school Play board games eg Snakes and Ladders 		https://www.topmarks.co.uk/maths-games/7-11-years/place- value			





Maths – Place Value

	Mental Maths			
	Key V	ocabulary		
Multiple	A number which can be divided by a another number without leaving a remainder			
Bonds to 10	All of the pairs of number	All of the pairs of numbers which add to 10 (3+7, 4+6)		
Bonds within 10	All of the pairs numbers w	vhich add to each number up to 10 (eg 2+3= 5, 1+4=5)		
10s Frame	Used to solve addition and subtraction problems, normally within 20.			
Bead string	Used to solve problems within 100			
Associated fact/ fact family	A group of facts which us	e the same set of numbers eg 3+4=7, 4+3=7, 7-3=4, 7-4=3		
Double	Adding a number to itself			
Half	Sharing a number by 2 eq	ually		
How to I	nelp_	Useful links		
 Work regularly on simple addition and subtraction facts within 10 Add and subtract physical objects at home eg at dinner time Help your Year 2 child with their mental maths homework Practice times tables facts for 2,3,5,and 10 times tables. Begin with counting in 2/3/5/10's and then when they're confident writing the tables out. 		Top Marks Website- http://www.topmarks.co.uk/mathsgames/5-7-years ICT Games Website http://www.ictgames.com/resources.html		





Maths – Calculation

	Operations				
	Key Vocabulary				
Operation	Addition, subtraction, multiplication or division				
Number sentence	A written calculation				
Addition	The sum of two numbers (plus, add, total, more than)				
Subtraction	Taking one number away from another or finding the difference between those values (take away, subtract, less than)				
Multiplication	Repeated addition. Counting amounts in groups of 1/2/3/4/5/6/7etc.				
Division	Sharing an amount by a given number of groups equally. Repeated subtraction.				
How to help	Useful links				
 Practice using a number line to add and subtract numbers. Practice using images of 10's and units to add and subtract numbers which don't require carrying. Get children to total 3-4 items from your shopping list. 	Top Marks https://www.topmarks.co.uk/Search.aspx?Subject=16&AgeGroup=2 This website has a variety of games for all areas of maths.				
Allow your child to go to a shop and	Another ways to say or mean				
purchase one or two items so they	ADDITION SUBTRACTION MULTIPLICATION DIVISI				

Another ways to say or mean						
ADDITION	SUBTRACTION	MULTIPLICATION	DIVISION			
plus	minus	multiply	quotient			
more than	difference	product	divided by			
sum	take away	double (multiply by 2)	ratio			
and	subtract	twice (multiply by 2)	share			
total	less than	triple (multiply by 3)	into			
greater than	decreased by	times	over			
increased by	less					

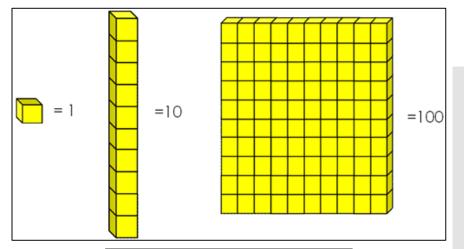


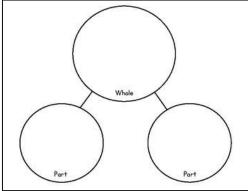
become used to using money and receiving change.

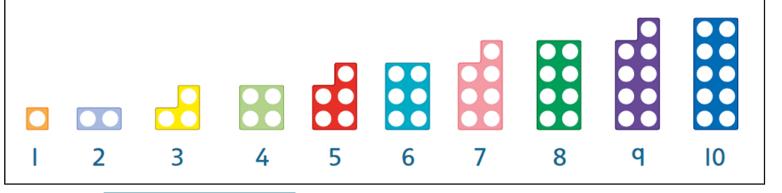


Maths – Resources to support

	100 Square								
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100





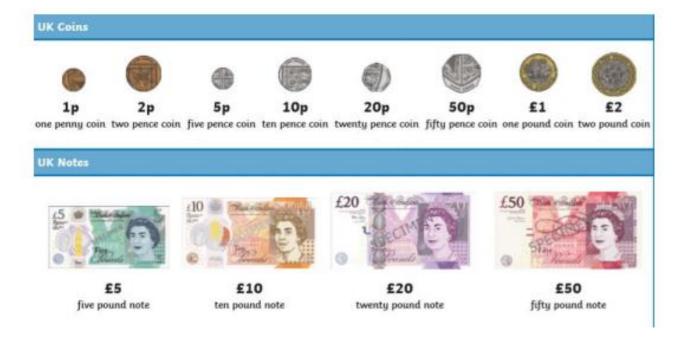






Maths – Money

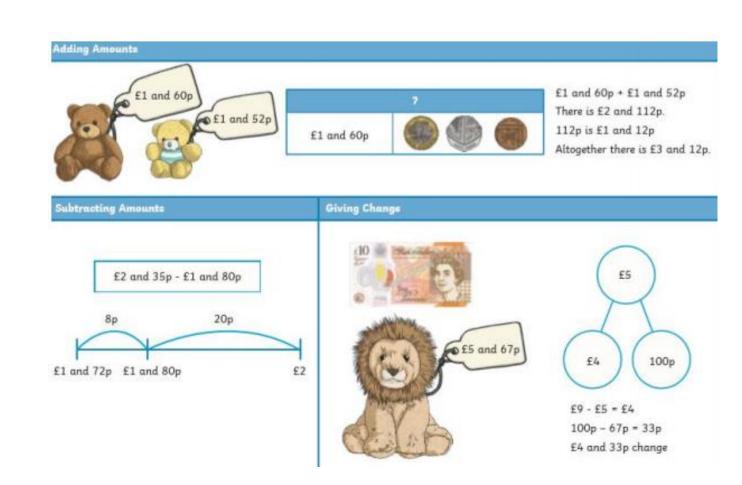
Key Vocabulary	
currency	The money a country uses.
sterling	The name of the currency used in Britain.
pounds	A basic unit of British money, equal to 100 pence.
pence	The smallest unit of British money.
value	How much something is worth.
coin	A flat disc or piece of metal with an official stamp, used as money.
note	A piece of paper money.
amount	A quantity of money.
combinations	The result of two or more things joining together.
convert	To exchange one type of money for another.
change	The money that is returned to someone who has paid for something that costs less than the amount that they gave.





Pounds and Pence Convert Pounds and Pence 120 pence 100 pence is £1 120 pence is £1 and 25 pence 120 pence is £1 and 20 pence.

Maths – Money







Year 2 Science Knowledge Organiser – Living things and their habitats

Science – **Living Things**

Habitat	An animal's home
Micro-habitat	A small habitat within a larger habitat
Food chain	A diagram which shows how each living thing gets food.
Living	Being alive
Dead	No longer alive
Reproduce	Make more by having babies
carnivore	Meat eater
Herbivore	Plant eater
Omnivore	Meat and plant eater
predator	An animal that eats other animals
prey	An animal that is hunted for food
Producer	A plant that produces its own food
consumer	A living thing that eats other living things



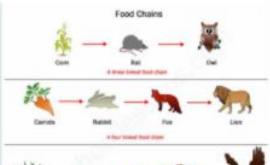


Curriculum Objectives

I can explain the differences between things that are living, dead and things that have never been alive.

I can explain that most living things live in habitats which suit them and depend on each other.

I can name some plants and animals in their habitats including micro-habitats. I can explain how animals get their food from plants and other animals using a simple food chain.





t halma	Union things grow appending
Living	Living things grow, reproduce, feed, breathe. Humans, animals, plants are living
Dead	No longer living
Never alive	Plastic chair, metal spoon, computer, rock, sand, car
Habitats	Ocean, woodland, desert, beach, rainforest, town/city, jungle, river,
Woodland habitat	Fox, rabbit, owl, hedgehog, squirrel Fir tree, oak, fern,
Ocean habitat	Shark, dolphin, starfish, clownfish, coral, seaweed,
Micro-habitat – tree stump	Leaf, bark, branch/stump Ladybird, greenfly, caterpillar, blue tit, moss, fern











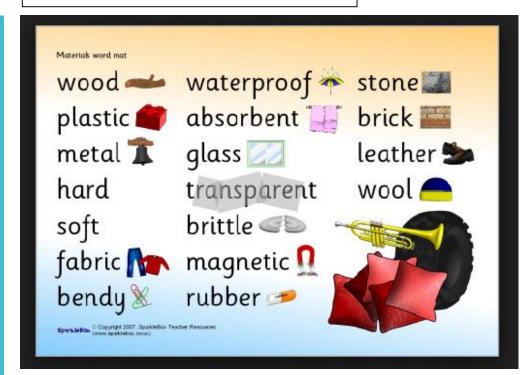
Science – Materials

Key Vocabulary	Definition	
Materials	Wood, metal, plastic, glass, brick, rock, paper, cardboard	
Transparent	A material that is see through	
Opaque	A material that you cannot see through: not transparent	
Translucent	Allows light, but not detailed shapes to pass through: semi-transparent	
Rigid	Unable to bend or force it out of shape; hard or stiff	
Rough	Has an uneven surface – the opposite of smooth	
Smooth	Has an even flat surface	
Waterproof	A material that keeps water out	
Absorbent	A material that soaks up liquid easily	
Brittle	A hard material but can break easily	
Shiny	A material that reflects the light	
Dull	A material that is not bright	
Stretch	A material that can be made longer or wider without tearing or breaking	
Twist	A material that can be bent or curled out of shape	
Bend	Shape or force a material into a curve	
Squash	Crush or squeeze a material with force so that it becomes flat, soft or out of	
	shape	
Friction	The action of one surface or object rubbing against another	
Shortest	Children will find out which car has travelled the shortest distance (the smallest	
	distance)	
Furthest	Children will find out which car has travelled the furthest distance (the longest	
	distance)	
Predict	Estimate or guess	
Distance	A length measured between two points	



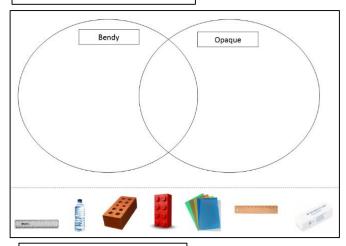
Science - Materials

Materials and Their Properties



These 3 ways, Carroll Diagram, Venn Diagram and Tally Chart, are ways that you can sort the materials. Materials can be sorted by their properties.

Carroll Diagram

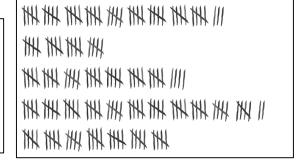


Venn Diagram

I	Shiny	Not Shiny
Hard		
Not Hard		



Tally chart – Can you count the amount of tallies used in each line?





Foundation – Florence Nightingale.

Florence heard about the Crimean war – she went to help soldiers who were wounded in a hospital in Turkey. The injured soldiers were transported to Turkey.

Turkey, by land mass, is positioned 95% in Asia and 5% in Europe

Key facts about Florence Nightingale

- Florence was born on 12th May 1820
- She was named after the city in which she was born (Florence, Italy)
- Florence trained to become a nurse
- A war begin in Crimea in 1853 and she went to Turkey to help wounded soldiers
- Florence was disappointed with the conditions of the hospital and improved these
- Florence became known as the Lady with the Lamp
- She returned back to England and set up her own hospital and trained nurses
- Florence became famous for her hard work
- Florence died at home on August 13 1910 at 90 years old



Key	Definition
Vocabulary	
Florence	A nurse who saved many lives in the Crimean
Nightingale	War and became famous because of this.
Nurse	A person trained to care for the sick or the ill.
War	Conflict between two groups of people.
Wounded	Somebody who has been injured.
Disappointed	Feeling let down, upset or sad.
Returned	Florence 'returned' (went back) home to
	England. Returned from somewhere she had visited.



Foundation – Florence Nightingale.

Florence Dates and Key Events:

1820 – Florence was born in Florence, Italy

1821 – Her family returned back home to **England (UK)**

1848 – Florence visited **Egypt** on holiday

1851 – She studied nursing in **Germany**

1853 – She worked in a hospital in London (England – UK)

1854 – She went to **Turkey** to help in the Crimean War

1856 – She returned after the war as a national heroine.

1910 – Florence Nightingale passed away.

Florence Nightingale
used a Fanoos Lamp. The
lamp was made of
bronze or brass and
linen. The candle was
inside. It had a handle.

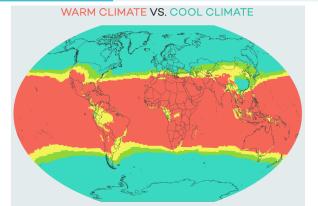






Foundation – Our Wonderful World

Northern Hemisphere	The half of the earth that is north of the equator	
Southern Hemisphere	The half of the earth that is south of the equator	
North Pole	The most northern point of the earth	
South Pole	The most southern point of the earth	
Equator	Imaginary circle/ line around the earth that divides Earth into 2 equal parts	
Climate	The weather conditions in an area	
Capital city	Turkey: Istanbul, Germany: Berlin, Egypt: Cairo, England: London – the most important city in the	
	country	
Population	How many people live within a certain place	
Seasons	Spring, Summer, Autumn, Winter	
Biggest River	Egypt: River Nile, England: River Severn	
Religion	Belief or worship in a God or Gods	
Rainfall	How much rain falls (the quantity)	
Agriculture	Farming	
Currency	The money that is used within a country	
	Turkey: Lira, Germany: Euro	
Port	Access to water, where ships load and unload	
Continents	North America, South America, Europe, Asia, Australia, Africa, Antarctica	
Oceans	Pacific, Atlantic, Indian, Arctic, Southern	







Famous World Landmarks Map

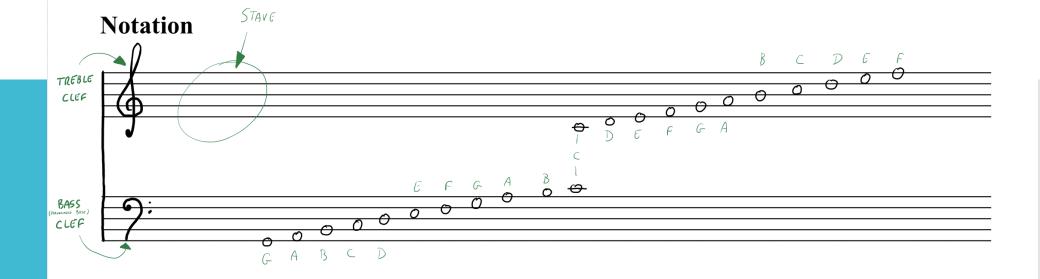
Foundation – Our Wonderful World

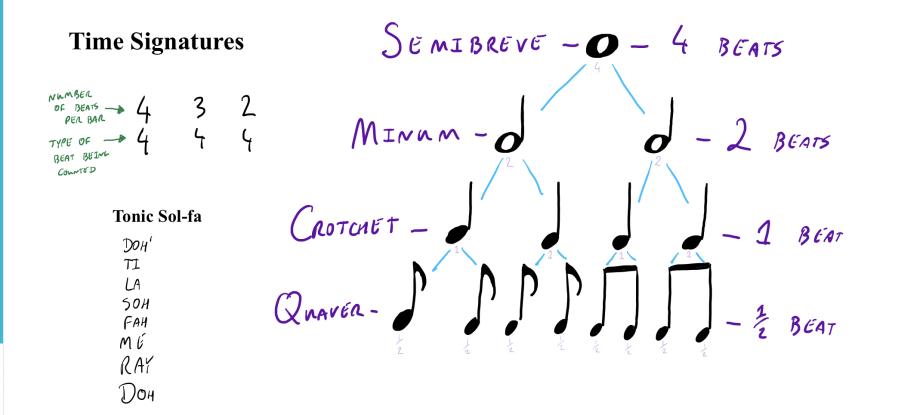






Music



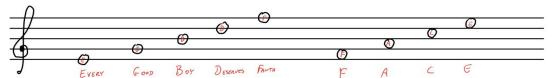


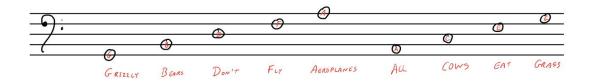




Mnemonics

Key Terms





Composer - A person who writes music

Tempo - The speed of the music

Dynamics - The volume of the music

ff - Fortissimo - Very loud

f - Forte - Loud

mf - Mezzo forte - Medium loud

mp - Mezzo piano - Medium soft

p - Piano - Soft

pp - Pianissimo - Very soft

Orchestra - A large group of musicians who

play together

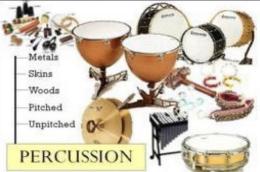
Conductor - The leader of the orchestra

Music



Instrument Families





Tempo – the speed of the music.

Allegro – Fast



Lento - Slow



Dynamics – the volume of the music.



Forte – Loud



Piano Soft (Quiet)





Health and Fitness

What is Health & Fitness?

A healthy, active lifestyle is when you live in a way which allows you to have a good physical, mental and social well being. It should include regular exercise and physical activity. Within PE you will learn about different types of exercise you can do to maintain a healthy lifestyle.

Why is it important to learn about health and fitness?

Having a physically active life can lead to good health and avoid injuries or illness. Maintaining a healthy and active lifestyle can make you feel good and also make your muscles stronger.

Key Words:

Health, fitness, sport, diet, heart rate, muscles, exercise, active, power, balance.





Ways that you can keep active at home: (Youtube)

- -Go Noodle
- Cosmic kids yoga
- -Just Dance kids
- -Pinkfong
- --Change4Life activities (website)





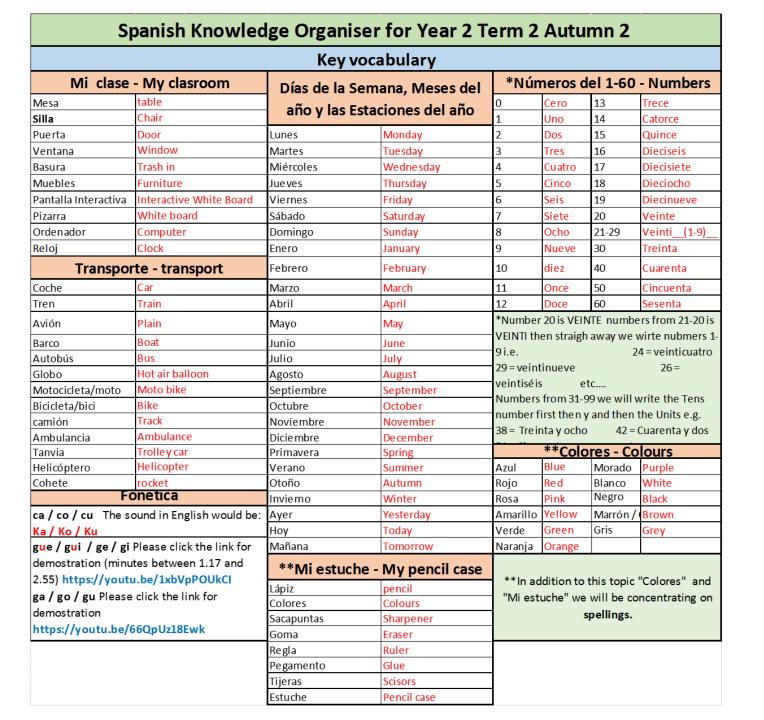


Spanish

Spanish Knowledge organiser for Year 2 Term 1 Autumn1 **Key vocabulary Saludos - Greetings** La familia - Family *Números del 1-50 - Numbers Father Hola Hello Padre Cero Trece Good bye Mother Adios Madre 14 Uno Catorce **Buenos** dias Good morning Brother Dos 15 Quince Hermano Good afternoon Sister Hermana 16 Dieciseis Buenas tardes Tres Good night Bebé Baby 17 Diecisiete Buenas noches Cuatro Gracias Thank you Abuelo Grandpa 18 Dieciocho Cinco 19 Por favor Abuela Grandma Diecinueve Please Seis Uncle ¿Cómo te llamas? What is your name? Veinte Tío Siete 20 Tía Ocho 21-29 Veinti (1-9) Me Ilamo (Lola) My name is (Anna) Aunt ¿Cómo estás? How are you? Primo Cousin (male) Nueve 30 Treinta Cousin (female) 10 Estoy bien I'm good Prima diez 40 Cuarenta I'm so so Hijo 50 Estoy así así Son 11 Once Cincuenta daughter 12 Hija Estoy regular 'm so so Doce **Colores - Colours Sobrino Nephew Estoy mal I'm bad Sobrina Niece Encantado de conocerte Nice to meet you Azul Blue Morado Purple See you later Brother-in-law Red White Cuñado Rojo Blanco Hasta luego ¿Dónde vives? Where do you live? Pink Black Cuñada Sister-in-law Rosa Negro I live in *Number 20 is **VEINTE** numbers Amarillo Marrón / Café Yo vivo en Yellow Brown ¿De dónde eres? Where are you from? from 21-20 is VEINTI then Verde Gris Grey Green straigh away we wirte nubmers Naranja am from Yo soy de Orange 1-9 i.e. 24 = veinticuatro How old are you? **In addition to this topic "Colores" we will be ¿Cuántos años tienes? I am years old Tengo años 29 = veintinueve concentrating on spellings. Las profesiones-Professions Policía Police Médico Doctor Firefighter Enfermera Bombero Nurse Teacher Vet Maestro veterinario



Spanish





Resources

Quiz – Kahoot	https://kahoot.it/
English – Literacy Planet	https://www.literacyplanet.com/
Maths – My Maths	https://www.mymaths.co.uk/
Vocabulary Flash Cards	https://www.scholastic.com/parents/games/flash-card-maker.html

