



LAW BREAKERS



YEAR SIX MATHEMATICS KNOWLEDGE ORGANISER – SPRING ONE

KEY MATHS KNOWLEDGE FROM PREVIOUS YEARS

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

Decimal Place Value Chart												
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones	Decimal point ←	Tenths	Hundredths	Thousandths	Hundred-Thousandths	Millionths
Whole part							•	Decimal part				

Roman Numerals			
1 = I	10 = X	100 = C	1000 = M
2 = II	20 = XX	200 = CC	2000 = MM
3 = III	30 = XXX	300 = CCC	3000 = MMM
4 = IV	40 = XL	400 = CD	
5 = V	50 = L	500 = D	
6 = VI	60 = LX	600 = DC	
7 = VII	70 = LXX	700 = DCC	
8 = VIII	80 = LXXX	800 = DCCC	
9 = IX	90 = XC	900 = CM	



Fraction Wall



Fraction and Decimal Wall





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P.S.H.E

unhealthy pressure, civil partnership, forced marriage, disputes, toddler, middle-age, older person, emotions, independence

Marriage / Civil Partnership

A legally binding commitment between two adults.



Dispute

Is a disagreement or argument.

Emotions

A strong feeling derived from a person's circumstances, mood or relationship with others.



SCIENCE

classification, vertebrates, invertebrates, microorganisms, amphibians, reptiles, mammals, insects, fish, birds, fossils, adaptation, evolution, characteristics, reproduction, genetics

Vertebrate

Has a backbone (spine).

Invertebrate

Does not have a backbone (spine).



Carl von Linnaeus

Was a Swedish scientist who created the classification system.



HISTORY

legacy, ambiguous, consequences, omits, decade, execution, parliament, heresy, torture, traitor

The Romans

The Romans introduced the idea of judges, juries, courts and lawyers.



The Police Force

In 1829, Robert Peel introduced the police force in London.



Execution

The last hanging in the UK took place in 1964.



GEOGRAPHY

6-figure grid reference, The Americas, longitude, latitude, biomes (grassland/desert /temperate/savannah) earthquakes, epicentre, focus, fault, tsunami, Richter scale, magnitude, intensity

The Americas

The Americas are lands in the Western Hemisphere and comprise two continents: North America and South America.



Biomes

A biome is a large naturally occurring community of flora and fauna occupying a major habitat.



Earthquakes

An earthquake is a sudden shaking of the ground as a result of movements within the earth's crust.



ART

purpose, dry media, digital media, independent, research, range, sources, test, representation, engaging, consistent, inconsistent, mixed media

Collage

Collage is a piece of art made by sticking various different materials such as photographs and pieces of paper or fabric on to a backing.



Kurt Schwitters

Kurt Schwitters is considered by many to be 'The King of Collage'.

Media

Dry media can be pen, pencil, charcoal or pastels.

Digital media can be created, viewed and modified on digital electrical devices.

Mixed media is a variety of media used in art.

D.T

mechanical system pulley, driver, follower load, transport mechanical engineer Archimedes, Ismail Al-Jazari Edmund Cartwright George Stephenson, designer technology product intended user design criteria exploded diagram innovation

Pulleys

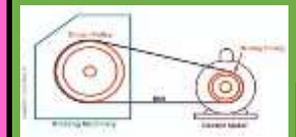
A pulley is a wheel with a grooved rim, around which a cord passes, which changes the direction of a force.

A pulley can be used to raise heavy weights.



A Driver

A driver is the gear that has the force or motion input. The load is a heavy thing that is carried or about to be carried.



Crime and Punishment History Timeline

450 BCE	43 AD	410 A	1530s – 1540s AD	1700s AD	1735 AD	1805 AD	1829 AD	1842-1877 AD	1964 AD
Roman laws 'Twelve Tables' written.	Romans invade. People accused of committing a crime taken to court.	Villages were divided up into ten men called tithings. They were responsible for each others' behaviour.	Heresy becomes a more common crime.	Highwaymen robberies increased.	Witchcraft Act passed as law.	Guy Fawkes caught at Houses of Parliament.	The police force was first introduced in London by Robert Peel.	In Victorian times, 90 prisons were built or added to during this time.	Last hanging in the UK.