

YEAR 10

KNOWLEDGE ORGANISER

Trinity 1

Learning - Loving - Living

"Wisdom is not a product of schooling but of the lifelong attempt to acquire it.."

Albert Einstein

How to use my Knowledge Organiser

The timetable shows the **subjects** you should be studying and the days that you should be studying them. You should **complete your work** your exercise book.

Each evening you should draw a straight line (using a ruler), under the previous day's work, and write the date, clearly at the top. You need to bring your KO and exercise book with you to school EVERYDAY.

The **KO** work that you have completed for the week will be checked in Family Group time **EVERY** Friday. If homework is not of an appropriate standard or amount will result in an after school detention. Knowledge tests will also be used frequently in lessons.

Subject Homework

Students will also be **given** additional subject homework to be completed throughout the week and/or can use FREE online revision tools such as <u>www.senecalearning.com</u>

It is also recommended that students regularly **READ** a variety of fiction and non fiction books that they choose for pleasure. This extra reading will help to develop and broaden their general knowledge.

In **ENGLISH** all students will be expected to complete 1-2 reading assignments each week by accessing <u>www.CommonLit.org</u>. Each assignment will take 20-30 minutes and students will be required to answer multiple choice questions to check their understanding of what they have read. Each class has a code based on the set they are in:

English Set	Class Code for Commonlit
10.3	4YQ9QL
10.2	64ZVZV
10.1	LYQJQV
10.GR	5RKQK5

In **MATHS** students are expected to watch short explanation videos and complete activities on the online platform of <u>https://mathswatch.co.uk</u>. Students can log in using the details and password they use to log in to the school computers.

Homework Timetable

You should spend at least 1 hour per night on homework = 3 subjects x 20 mins per subject

Year 10	Subject 1	Subject 2	Subject 3
Monday	Maths	Option A	Option C
Tuesday	English	Option B	Option C
Wednesday	Maths	Religious Education	English
Thursday	English	Science	Option A
Friday	Maths	MFL	Option B

Retrieval activity ideas

Knowledge organisers are for learning and mastering the knowledge in each subject. There are many different ways you can do this,

however some **PROVEN** methods to try in your work book are:



After you have retrieved as much as you can go back to your books & check what you've missed. Next time focus on that missing information

Using flash cards successfully

Once flash cards are created, you will need to use them correctly to have an impact. Follow the method below for the best knowledge retention



Year 10- MATHS- T1 FOUNDATION – Transformations



Year 10- Higher - Transformations, shapes and graphs



Science- Energy changes- Year 10- Part 1



Year 10- Science- Infection and response- Part 1

	1. Pathogens								
Pathogens are microorganisms that cause infectious disease Pathogens may infect plants or animals and can be spread by direct contact , water or air									
Viruses	Bacteria (prokaryotes)	Protists (eukaryotes)	Fungi (eukaryotes)						
e.g. cold, influenza, measles, HIV, tobacco mosaic virus	e.g. tuberculosis (TB), Salmonella, Gonorrhoea	e.g. dysentery, sleeping sickness, malaria	e.g. athlete's foot, thrush, rose black spot						
DNA or RNA surrounded by a protein coat	No membrane bound organelles (no chloroplasts, mitochondria or nucleus). Cell wall. Single celled organisms	Membrane bound organelles. Usually single celled.	Membrane bound organelles, cell wall made of chitin. Single celled or multi- cellular						
Viruses live and reproduce inside cells causing damage	Bacteria may produce toxins that damage tissues and make us fell ill								

2. Communicable diseases							
Disease	Pathogen	Symptoms	Me	thod of transmission	Control of spread		
Measles	Virus	Fever, red skin rash.	Dro sne	plet infection from ezes and coughs.	Vaccination as a child.		
HIV	Virus	Initially flu like systems, serious damage to immune system.		ual contact and hange of body fluids.	Anti-retroviral drugs and use of condoms.		
Tobacco mosaic virus	Virus	Mosaic pattern on leaves.	Ent epic pes	ers via wounds in dermis caused by ts.	Remove infected leaves and control pests that damage the leaves.		
Salmonella	Bacteria	Fever, cramp, vomiting, diarrhoea.		d prepared in oggienic conditions or cooked properly.	Improve food hygiene, wash hands, vaccinate poultry, cook food thoroughly.		
Gonorrhoea Bacteria		Green discharge from penis or vagina.	Direct sexual contact or exchange of body fluids.		Use condoms. Treatment using antibiotics.		
Malaria	Protists	Recurrent fever.		an animal vector osquitoes).	Prevent breeding of mosquitoes. Use of nets to prevent bites.		
Rose black spot	Rose black spot Fungus Purple blac on leaves.		ots Spores carried via wind or water.		Remove infected leaves. Spray with fungicide.		
		3. Non-specific o	defe	nce systems			
specific thogens	1	Nose		Nasal hairs, sticky mucus and cilia prevent patho entering through the nostrils.			
is several non itself from par ing in	de la	Trachea and bronchus (respiratory system)		Lined with mucus to trap dust and pathogens. Cilia move the mucus upwards to be swallowed.			
nan body ha f defending i gett	2	Stomach acid		Stomach acid (pH1) kills most ingested pathogens.			
The hum ways of skin			Hard to penetrate waterproof barrier. Glands secret oil which kill microbes				

Year 10- Science- Infection and response- Part 2



5. Antibiotics painkillers						
antibiot	ics	e pen	.g. icillin	Kill infective bacteria only inside the body. Specific bacterial infections require specific antibiotics.		
Bacteria Sometin drugs.	nes t	m utai his ma	t e kes then	n resistant	to antibiotic	
Painkille and oth medicin	ers e.g. aspirin, paracetamo I, ibuprofen			Drugs that are used to treat the symptoms of a disease. They do not kill pathogens		
	•	7. Dr	ug de	velopm	ent	
Most new drugs are synthesised by chemists in the pharmaceutical industry. Traditionally drugs were extracted from plants and						
Dig	itali	s	As	pirin	Penicillin	
Extracte foxglove and use heart dr	ed fre e pla d as rug	om ints a	A painl anti- inflamı that wa found i bark	killer and matory as first in willow	Discovered by Alexander Fleming from the <i>Penicillium</i> mould and used as an antibiotic	
Drugs have to be tested and trialled before to check they are safe and effective						
re		Effica	су	Make sur	e the drug works	
drugs a ensively ed for:		Τοχία	ity	Check that the drug is not poisonous		
New exte test	Dose			The most suitable amount to take		

6. Vaccinations 1st White blood cells detect Small infection pathogens in the vaccine. amount by Antibodies are released into of dead pathoge **Vaccination** the blood. or n inactive Re-White blood cells detect form of infection by the pathogens. Antibodies are the same made much faster and in pathoge pathoge larger amounts. n Used to immunise a large proportion of the population to prevent the spread of a pathogen 8. Drug trials Preclinical trials - using cells, tissues and live animals - must be carried out before the drug can be tested on humans. Clinical trials use healthy volunteers and patients Stage 1 Staae 2 Staae 3 Staae 4 A double Healthy A small A larger blind trial will volunteers number number of occur. The of try small patients; patients are dose of the different patients divided into drug to try the doses are groups. Some check it is trialled to drug at a will be given low dose safe record find the the drug and any side to see if it optimum some a effects works dose placebo. Double blind trial: patients and scientists do not know who receives the new drug or placebo until the end of the trial. This avoids bias. A **placebo** can look identical to the new drug but contain

no active ingredients

1. Plant defences								
Plants have several ways of defending themselves from pathogens and animals								
	Physical		Mechanical					
Thick w walls st entry	axy layers, cell op pathogen	Thorns, curling up leaves to prevent being eaten						
	Chi	emica	1					
Antibac	terial and toxins m	ade b	y plant					
f	Detection		Identification					
on c ly)	Stunted grow	th						
icati o on	Spots on leave	es	Reference using					
entil s (bid	Area of deca	y	gardening manual or					
id id ease:	growths		test for pathogens.					
n an dise	Malformed		testing kit using					
ectio lant	stem/leaves		monoclonal					
Dete	Discolouratio	n	antiboules.					
	Presence of pe	sts						
Nitrate ions needed for protein synthesis – lack of nitrate = stunted growth.		Ma to r eno	agnesium ions needed make chlorophyll – not ugh leads to chlorosis – leaves turn yellow.					

2. Monoclonal antibodies								
	Monoclonal antibodies							
		1. A mouse is injec	ted with pathogen					
		2. Lymphocytes pr	oduce antibodies					
Identical copies of one types of antibody produced in		3. Lymphocytes are removed from the mouse and fused with rapidly dividing mouse tumour cells						
laboratory		4. The new cells a	re called hybridomas					
		5. The hybridomas divide rapidly and release lots of antibodies which are then collected						
	Mono	clonal antibodies ca	an be used in a variety of v	ways				
Diagnosis	Dete	ecting pathogens	Detecting molecules	Treatment				
e.g. pregnancy test – measure the level of hormones	Can c quan in the	letect very small tities of chemicals e blood	Fluorescent dye can be attached so it can be seen inside cells or tissues	Bound to radioactive substance, toxic drug or chemical Cancer cells are targeted to normal body cells are unharmed				
Disadvantages : Created more side effects than expected (fatal in some cases) and are not as widely used as everybody hoped when first developed								

Religious Studies

BOX 1: Key words.

Afterlife – Life after death; the belief that existence continues after physical death. Euthanasia – Greek for 'a good death'. Sometimes known as 'mercy killing'. Killing or permitting the death of a seriously ill person.

Evolution – The process by which different living creatures have developed from earlier less complex forms during the history of the earth.

Abortion – When a pregnancy is ended so that it does not result in the birth of a child.

Quality of life – The extent to which life is meaningful and pleasurable.

Sanctity of life – The belief that life is precious, or sacred. For many religious believers, only human life holds this special status.

Bioethics - the process of deciding what is good and acceptable in medicine.

Situation ethics – judging the rightness or wrongness of an act on a case-by-case basis. Basing moral decision-making on the most loving thing.

Hospice – A place where those with terminal illness go to die with dignity. Palliative care – focuses on relieving pain and suffering.

Purgatory – A Catholic place of waiting to have sins forgiven before entering heaven.

BOX 3: The sanctity of life

Most people believe to have **life is special** but religious people believe this because it is God's gift. This belief has an impact on issues of **bioethics** such as **abortion** and **euthanasia**.

Christians believe God is involved in His creation and has made everyone unique. He made humankind in His own image which means all life is sacred. Only G-d should take life away. Quakers oppose the death penalty and war. God chooses when life begins. Catholics disagree with IVF and contraception.

Humanists argue there is no soul or afterlife as this is the only life we get. Therefore life is special and its purpose is to make us and others happy.

The quality of life

Some argue this is more important than the sanctity of life. If we are free from pain and can live in freedom and dignity then we have a good quality of life. If pain outweighs pleasure, then we are have a poor quality of life. Measuring our quality of life is difficult as we all experience different tolerance to pain and pleasure. Government look at living conditions, health, education, the economy and human rights to determine the quality of life. This belief impacts medical ethics where some argue if the quality of life has deteriorated then someone should be allowed to die (**euthanasia**).

BOX 2: The scientific origins of the world

Charles Darwin in the 1800s explained how living creatures have evolved through a process of gradual change over millions of years.

Natural selection was observed on the Galapagos Islands where finches (birds) had different shaped beaks on different islands to suit the environment and eat food. These characteristics happened by chance but helped them survive and pass on these traits to their offspring. 'The survival of the fittest.' Over time, this process led to new species of animals. It is how humans evolved.

Theory of the Expanding Universe Lemaitre argues that the universe is expanding outwards and possibly into infinity. Lemaitre also argues that time and space began 15 billion years ago from a singularity which was infinitely hot and dense and expanded causing sub-atomic particles and atoms to appear. He referred to this argument as hypothesis of the 'primeval atom' or the 'cosmic Egg'. Stars and planets were formed, including Earth.

BOX 4: Abortion

Life begins at different points for people. Some argue it is at **conception** (when the sperm meets the egg). Other when the baby can be felt in the womb. Others it's when the nervous system and organs develop. At **24 weeks** the baby has viability and can survive if born. This is the **UK legal limit** for an abortion where 2 doctors must agree. For some it is at birth. **Pro-life** people believe abortion is always wrong as the foetus has a right to life. UK law however does not recognize an unborn child as a person. **Pro-choice** people believe a women should have a right to choose what happens to her body.

Catholics do not allow abortions due to the sanctity of life. Life begins at conception. It is murder and against the 10 Commandments.

Church of England opposes abortion for social reasons but not if the mother's life is in danger, or it affects the quality of her life (e.g rape).

Humanists look for the least amount of harm to be brought to all concerned. There is not one view, but many are liberal and pro-choice.

Religious Studies

BOX 5: Euthanasia

The four types of euthanasia: Voluntary (asks to die) Active (tries to end their life) Passive (treatment is removed) Involuntary (forced death)

Usually the poor **quality of life** and suffer from incurable degenerative diseases is the reason someone may want to end their life. Euthanasia is **illegal in the UK** but legal in countries like Switzerland where the **Dignitas** clinic exists.

Christians mostly disagree stating the **sanctity of life** argument or see it as murder/ going against the 10 Commandments and also believe there is purpose in suffering. Many Christians see **Hospices** as an alternative. **Liberal Christians** might agree to life support being turned off or withholding treatment as it is the most loving thing (**situation ethics**).

Humanists support legalising **voluntary euthanasia** and not just for the terminally ill. People should be able to die with dignity and when faced with a poor **quality of life**.

BOX 7: Heaven and Hell

For **Christians**, heaven is to be in God's presence. **Evangelicals** argue it is a real place. **Liberal Christians** say heaven is symbolic. Heaven is believe to be a reminder there are consequences to actions and thoughts.

For **Christians** hell is to be in constant torment cut off from all things good and loving. **Evangelicals** argue it is a real place. **Liberal Christians** say hell is symbolic. A reminder there are consequences to actions and thoughts.

The **Roman Catholic Church** teaches that after death there is a state of **Purgatory**. This is a place where some people who have sinned are purified in a 'cleansing fire', after which they are accepted into Heaven.

Humanists say there is no heaven or hell, the dead live on through the memories of the living.

BOX 6: Life after Death

Christians believe in resurrection and everlasting life. Jesus modelled what would happen to our mortal bodies by rising from the dead. On **Judgement Day** God will decide who enters paradise and who doesn't. **Dualists** believe the body will decay upon death and the soul, which is immortal, will be reunited with God in heaven. **Evangelicals** argue we will have a bodily resurrection like Jesus. St Paul says it will be a spiritual body.

The Parable of the Sheep and Goats reveals that Jesus will separate those who followed Him (sheep) from those who rejected Him (goats).

Humanists say we can reflect on our own lives. There is nothing after death. We should live morally for ourselves and others, not God.

BOX 8: Sources of Authority

"I am the resurrection and the life; he who believes in me will live, even if he dies". -John 11:25

"I believe in the resurrection of the body and the life everlasting." Apostles' Creed

"Before I formed you in the womb I knew you" - Jeremiah 1:5

"Don't you know that your body is the temple of the Holy Spirit"-1 Corinthians 6:19

"You shall not kill" 10 Commandments - Exodus 20:13

"I revere the sanctity of life - but not at any cost" - Archbishop Desmond Tutu

"Why keep anyone alive when all the dignity, beauty and meaning of life had vanished... and when we should have been punished by the state if we had kept alive an animal in similar conditions" Dr. Leslie Weatherhead leader of the Methodist Church

"We need to provide better care for the dying rather than kill them off 'early." Methodist Conference 1974

Year 1 STATISTICS T1 – Measures of Central Tendency & Dispersion

Important Ide	pas	Question	Vocabulary		
You can cor measures o Measures o centre of a	npare distributions by looking at f central tendency and dispersion. f central tendency identify the set of values – this gives us an	Range and IQRA scientist counted the number of spots on16 leaves of a rose bush.3807408324311 </td <td>a) 8 b) 3.75 c) Advantage is it is</td> <td>Weighted mean</td> <td>The weighted mean is used to cpmpare different sets of data when one is more important than the other.</td>	a) 8 b) 3.75 c) Advantage is it is	Weighted mean	The weighted mean is used to cpmpare different sets of data when one is more important than the other.
average val Common m tendency in mode	ue that represents the data. leasures of central lolude the mean, median, and	(a) Work out the range.(b) Work out the interquartile range.(c) Give one advantage and one disadvantage in using the range as a measure of spread.	easy to calculate. Disadvantage is it is affected by outliers	Geometric mean	The geometric mean can be used to find the mean of a set of data values that aren't immediately
Measures o data from t consistent (f dispersion look at the spread of he mean – this tells us how or otherwise) the data is.				out of 10 and a set of scores out of 50)
Key Facts & F	ormula	Standard deviation			The range tells us how far the
	NWX	The number of visits, x, to a dentist was recorded over 10 days. $\sum x = 200, \sum x^2 = 4800$	Mean number of visits per day = 20 Standard deviation =	Range	data spreads. Is it the difference between the highest and lowest values.
Weighted mean	$\overline{x} = \frac{\sum w}{\sum w}$	Work out the mean and the standard deviation.	8.9	Interquartile range (IQR)	The interquartile range is there difference between the upper quartile and the lower quartile.
a		Mean		Percentile	Percentiles divide the data into
Geometri c mean Standard	$\sqrt[n]{value_1 \times value_2 \times \times value_n}$	 The geometric mean of two numbers is 2.5 One number is increased by 12%, the other decreased by 15%. Calculate the new geometric mean to 3 decimal places. 	1. 2.439	Interpercentile range	The interpercentile range is the difference between the percentiles. E.g. the 20 th to 80 th percentile range is $P_{80} - P_{20}$.
deviation (1)	$\sqrt{\frac{1}{n}\sum (x-\bar{x})^2}$	2. An exam has three papers: A, B and C. Paper A is worth 60 marks, paper B is worth 60 marks and paper C is worth 80 marks. The percentage marks on the papers are equally weighted. Abmed got 45 on Paper	2. 70%	Interdecile range	The interdecile range gives the range of the middle 80% o the data.
Standard deviation $\sqrt{\sum x^2 (\sum x)^2}$		A, 26 on paper B and 60 on Paper C. What is his mean percentage?		Standard deviation	Standard deviation measures spread from the mean.
(2)	$\sqrt{-n} - (-n)$			Outlier	Outliers are points that don't fit the general pattern.

OCR Sport Studies – Unit 51 – Learning Objective 4 – Governing bodies in sport.



Box 1: What national governing bodies in sport do?

Promotion, Development, Infrastructure, Policies and initiatives, funding, support.

Box 2: Promotion

- Promoting participation for example by equal opportunities policy,
- Increasing popularity of the sport for schemes in schools,
- Increasing exposure in the media for example press releases and public relations.

Box 2: Development

- Elite training and development for example national performance squads and national teams in many sports across all age groups,
- Coaching awards for example England Netball UK coaching awards from level 1 upwards.
- Training officials for example RFU young officials award.

Box 3: Infrastructure

- Competitions and tournaments for example England basketball organize competitions for all age groups,
- Rule making and disciplinary procedures, •
- Providing a national directive and vision,
- Providing guidelines, support and infrastructure to members,
- Assist with facility development.

Box 4: Policies and initiatives

- Anti doping policy,
- Promoting etiquette and fair play,
- Community programs,
- Information and guidance on safeguarding.

Box 5: Funding

- Lobby for and receive funding,
- Distribution of funding,
- Advice for members on funding.

Box 6: Support

- Providing technical advice for example information about playing surfaces.
- Providing location and contact details for local clubs and how to start out in the sport.

Box 7:

- NGBs of sport have a range of different responsibilities and are involved in a whole host of different aspects of their sports.
- Each sport has a governing body organisation who will promote participation for all as well as identify and nurture young sporting talent. i.e. The Football Association/UK Athletics/British Cycling.
- The government recognise the importance of UK sporting success and in recent years have increased the amount of funding received to grow sports organisations and athlete excellence.
- England athletics are the National Governing Body for the Olympics and state that: London 2012 was the most successful games for Team GB (65) and Rio 2016 was the best away games in terms of medal count (67).

Box 8:

England Netball is responsible for the management of the England national netball team, nicknamed The Vitality Roses. It also oversees a number of programs running from junior to development level such as High Five Netball, Walking Netball and the Roses National Academy for aspiring athletes under the age of 20. As of June 2017, England Netball has 103,335 affiliated members and more than 180,000 women and girls play the sport every week and this is growing as a result of a successful National Governing Body.

The Football Association (FA) is the governing body of association football in England, the Crown dependencies of Jersey, Guernsey, and the Isle of Man. Formed in 1863, it is the oldest football association in the world and is responsible for overseeing all aspects of the amateur and professional game in its territory. The FA sanctions all competitive football matches within its remit at national level, and indirectly at local level through the County Football Associations. It runs numerous competitions, the most famous of which is the FA Cup. It is also responsible for appointing the management of the men's, women's, and youth national football teams.

The England national rugby union team competes in the annual Six Nations

with France, Ireland, Scotland, Italy, and Wales. They have won this championship on a total of 28 occasions (with the addition of 10 shared victories), 13 times winning the Grand Slam and 25 times winning the Triple Crown, making them the most successful outright winners in the tournament's history. They are ranked fourth in the world by the International Rugby Board as of 18 March 2019. England are to date the only team from the northern hemisphere to win the Rugby World Cup, when they won the tournament back in 2003. They were also runners-up in 1991 and 2007.

Questions:

- 1. From the images above state 4 National Governing Bodies for sport in the UK. 2.
 - Describe the roles of a National Governing Body.
- Explain how NGB's receive funds and how these are spent. 3.
- 4. How might NGB's develop talented athlete in a particular sport?
- 5. Identify 2 sources of funding available to a national governing body to help fund new sports facilities.
- 6. Suggest 2 ways a NGB may promote their sport to an ethnic minority group.

Y10 GCSE PE - Respiratory system

What is spirometer trace?

TIDAL VOLUME – The amount of air that enters the lungs during normal inspiration at rest. The average tidal volume is 500ml. The same amount leaves the lungs during expiration.

Inspiratory Reserve Volume – the amount of extra air inspired (above tidal volume) during a deep breath in. This can go as high as 3000ml.

Expiratory Reserve Volume – The amount of extra sir expired (above tidal volume) during a forceful breath out.

Residual Volume – The amount of air left in the lungs following a maximal expiration. There is always some air remaining in the lungs.

A Cool Down

- Should include 5-10 minutes of jogging/walking to bring down the body's temperature, heart rate and breathing rate and to remove waste products such as lactic acid from the working muscles.
- By bringing these things down gradually it also prevents pooling of blood which can cause dizziness.
- This should then be followed by 5-10 minutes of static stretching to relax muscles and to avoid DOMS (delayed onset of muscle soreness).

Ice Baths

- Strenuous exercise can sometimes cause tiny tears in muscle fibres. Even though they eventually grow back stronger, DOMS can kick in 24-72 hours after exercise.
- Icebaths restrict blood vessels and flush waste products out of the effected tissues and can also reduce swelling.
- Once performer is out of the ice bath, muscles start warming up, increasing blood flow (vasodilation) through to the muscles which is thought to speed up the healing process.

A graph to show typical spirometer trace



Diet/Rehydration

- It is important to replace the fluid lost through sweat when exercising during vigorous exercise and afterwards.
- However, it is also important to replace the lost minerals by having electrolytes afterwards (Lucozade, <u>poweraid</u>, rehydration sachets <u>etc</u>).
- Glucose is used for energy to make muscles contract and this needs to be replaced after exercise. Carbohydrates are the best source of glucose and therefore is a good idea to consume carbs after strenuous exercise.
- You can get fluids that are purposely made for post exercise drinks, flavoured milks or meal
 replacement protein shakes that manipulate the diet to include what body needs post strenuous
 exercise. Be careful that you have worked hard enough to need a meal replacement as it is
 easy to store extra fat if you have not burned the amount of energy that you are replacing with.

Massage

- The rubbing and kneading of muscles can help reduce the pain caused by strenuous exercise.
- It can prevent or relieve from DOMS by encouraging blood flow throughout the body which prevents muscle soreness.
- It can reduce the swelling of muscles that are stiff helping them recover quicker.

	GCSE Hist	ory-	Elizabethan El	ngland Queen, Government and R	eligi	on 1558-69	
Context Key Words			41	Ecclesiastical	An adjective used to describe things to do with		
1	There was much religious change under the Tudors and	20	Nobility	Belonging to the aristocracy.			the Church.
	Elizabeth had to find a way of dealing with these issues.				12	Act of	Made Elizabeth supreme governor of the Church
	Many people objected to Elizabeth's coronation in 1558	21	Gentry	People of a high social class.	172	Supremacy	of England
	and she faced questions over her legitimacy, with many	22	Yeomen	Men who held a small amount of land or an		Supremacy	
	preferring Mary Queen of Scots, and whether a woman			estate.	43	Act of	Established the appearance of churches and the
	could rule effectively.	23	Tenant farmers	Farmed rented land usually owned by		Uniformity	form of services they held.
Key e	vents			yeomen or gentry.	44	Royal	A set of instructions to reinforce the acts of
2	1532 Start of the English Reformation.	24	Merchants	Traders.		Injunctions	Supremacy and Uniformity.
3	1556-58 Dutch Revolt against Spanish.	25	Professionals	Lawyers and doctors.	45	Recusants	Catholics who were unwilling to attend church
4	1558 Elizabeth's accession.						services laid down by the Elizabethan religious
5	1559 Mary Queen of Scots became queen of France.	26	Craftsmen	Skilled employees.			settlement.
6	1559 Treaty of Cateau-Cambresis – England had to return	27	Extraordinary	Occasional, additional taxation to pay for	46	Visitations	Inspections of churches and clergy by bishops to
	Calais to France.		taxation	unexpected expenses, especially war.			ensure that the Act of Supremacy was being
7	1559 Religious Settlement and visitations commenced.	28	Militia	A military force of ordinary people, rather			followed.
8	1556 Pope issued an instruction that English Catholics			than soldiers, raised in an emergency.	47	Damagy	
	should not attend Church of England services.	29	Privy council	Advisors to Elizabeth.	41	Рарасу	The system of church government ruled by the
9	Elizabeth helped Scotland Protestant lords defeat Mary	30	Justices of the	Large landowners who kept law and order.			Pope.
	of Guise. Treaty of Edinburgh.		Peace		48	Heretics	People who refused to follow the religion of the
10	1562 Religious war in France.	31	Patronage	To provide someone with an important job	10	Martur	Someone who dies for their religious beliefs
11	1563 Philip II banned import of English loth into	0-	, an energe	or position.	50	Counter	The campaign against Protestantism
	Netherlands.	32	Secretary of	Elizabeth's most important Privy	50	Reformation	
12	1567 Elizabeth allows Dutch Sea Beggars to shelter in	52	State	Counsellor.	51	Philip II	Catholic King of Spain
	English harbours.	33	Crown	Refers to the monarch and their	52	Trade embargo	When governments han trade with another country
13	1568 Genoese Loan			government.	52	Excommunicated	Evolution from the Catholic Church
14	1568 Mary Queen of Scots fled to Scotland and the arrives	34	Divine Right	Belief that the monarchs right to rule came	55	Excommunicated	Expusion from the catholic church.
	in England.		Divine hight	from God.	54	Sea Beggars	Dutch rehels who fled to the water
15	1569 Revolt of the Northern Earls,	35	Roval	Flizabeth could insist that Parliament did	55	Genoese Loan	When Elizabeth took gold loaned to Philip II by the
Key C	oncepts		Prerogative	not talk about certain issues	55	Genoese Loan	bankers of Genoa.
16	Society and Government was very structured and	36	Succession	The issue of who was going to succeed the			
	hierarchical. The monarch had much power.		Succession	throne after the existing monarch died.	Earl	y Challenges	
17	Elizabeth's accession caused controversy as her gender,			throne area the existing monarch dea.	56	Legitimacy- He	er father Henry VIII divorced his first wife without
	legitimacy religion were questioned.	37	Legitimate	Being born in wedlock when the existing		permission of t	ne Pope. This meant his marriage to Elizabeth's
18	Religion – Elizabeth imposed her Religious Settlement] "	Legitinute	king and queen were married		illegitimate.	oleyn was invalid. This meant Liizabeth was
	but this upset many English and foreign Catholics and	38	Customs duties	Taxes from trade	57	Marriage- Eliza	beth was expected to marry quickly because they
	some wanted Mary Queen of Scots to replace Elizabeth.	50	customs duties	Taxes from trade.		thought wome	n were not strong enough to rule alone, she would
		30	Auld Alliance	A Friendship between France and Scotland		need a husban	d to help control the nobles and she needed to
19	Financial problems – When Elizabeth took the throne the			A menuship between mance and Scotland.		produce an heir to provide stability after she died.	
	Crown was £300,000 in debt.	40	Puritans	Radical Protestants	58 Invasion- Danger of invasion from powerful foreign countries		
20	Foreign powers opposed to Protestantism remained an	40				•France–Englar	nd was already at war with Catholic France. France with Many Queen of Scots
	issue for Elizabeth, especially Scotland, France and Spain.	L	1	<u> </u>		•Scotland. •Sna	in –Wealthy & powerful, strongly Catholic
						Scotiana, Spa	

Subject:- Geography

No Definition Key Term 1 Urban Town or city 2 Urbanisation The growth of towns and cities 3 Megacity A city with a population of 10 million people or more. 4 World City A city with global influence. 5 Urban Primacy The importance and influence is bigger than the size would suggest. 6 Formal Sector The government knows you are working, have contracts and pay taxes. 7 Informal Sector The government doesn't know a person is working. No contracts and they pay no tax. 8 Conurbation Merging of towns and cities into one large city. 9 Net Growth Means the number of people left after subtracting those leaving from those arriving 10 Deindustrialisation Closure of industries. 11 Knowledge People supplying their expertise. economy 12 Rural-urban People moving from the countryside to towns migration and cities. 13 The redeveloping of former industrial areas or Regeneration housing to improve them. 14 **Brownfield sites** Sites that are former industrial areas that have been developed before.

Challenges of a urbanising world



Year 10

No.	Mumbai key facts					
20	Site	In Maharastra, central west India				
21	Situated	Has India's biggest port – advantage is it is deep and sheltered with easy access to Africa, Middle East and Europe via the Suez canal.				
22	CBD	Located on the western tip at the old harbour.				
23	Population	Estimate 16 million				
24	Squatter settlements	60% of population live in slums – most on the outskirts of the city.				
25	Est.growth.	20 million by 2020.Largest city in the world by 2050.				
26	Migration rate	1000 people a day- mostly from rural-urban migration.				
27	Natural increase	1.4% a year- most migrants are in their 20s and 30s and will start families in Mumbai.				
28	Dharavi	Name of large inner city squatter settlements				
29	No. of people per house in Dharavi	13-17				
30	People per toilet in Dharavi	625				
31	Number of railways deaths	10 a day- mostly from those living next to the railway and crossing without looking.				

Themes	Definition YEAR 10 ENGLISH JEKYLL AND HYDE	Key	/ Characters
Gothic	 London is opaque, funereal, tenebrous and ominous London is shrouded, dark, mysterious, baleful Hyde and London link to the Uncanny: frightening yet familiar Fin de Siècle (end of 19th Century): the fear of change and transition Gothic Stories are full of constraint, entrapment and coercion (Victorian Social Mores) Gothic stories deal with doubt: religion becomes less important, an interest in the supernatural replaces this. Gothic stories often take place in exotic and strange locations: Stevenson subverts this convention, making the familiar (London) unfamiliar and the known unknown. Gothic stories often involve transgressors attacking vulnerable women: Stevenson subverts this convention-Hyde attacks the vulnerable as well as threatening society. 	Utterson	 The archetypal Victorian Gentleman: serious, solemn, paranoid Occasionally loses inhibitions: 'when the wine was to his taste, something eminently human beaconed' Avoids frivolity: 'though he enjoyed the theatre, had not crossed the doors of one for twenty years' Avoids frivolity: 'austere' Never judges or gossips: "I incline to Cain's heresy," he used to say quaintly: "I let my brother go to the devil in his own way." Paranoid: 'humbled to the dust by the many ill things he had done' Paranoid: 'Brooded a while on his past' Serious and solemn: 'never lighted by a smile'
Science and Enlightenment	 9) Science, rationality and reason replaced tradition, magic and religion 10) from late 17th Century until early 19th century 11) Democracy, individuality and equality under the law were important ideas 12) Victorians feared science: Was it magic? Had it replaced God? 13) Darwin and Evolution: shocking idea for Victorians, removed primacy of humans and God. Hyde mirrors this fear: 'ape-like fury' and 'the animal within me' and 'troglodytic' 14) Science contained a duality: optimism and progress vs terror, lack of control and hubris 	Jekyll	 9) Creates Hyde as a 'a solution of the bonds of obligation' 10) Wanted to be 'like a schoolboy, strip off these lendings and spring headlong into the sea of liberty' 11) Interested in transcendental medicine 12) Takes potion to become Hyde: he loses control of this ability 13) Calls Lanyon 'hidebound'
Duality	 15) Jekyll: are commingled out of good and evil 16) Jekyll: 'man is not truly one, but truly two' 17) Jekyll: 'If I am the chief of sinners, I am the chief of sufferers also' 18) Jekyll Contradicts himself: 'this extraneous evil." and 'like a thick cloak' 19) Jekyll: 'this brief condescension to evil finally destroyed the balance of my soul' 20) Multiple dualities in the novella: duty vs temptation/empiricism vs transcendental/evolution vs degradation/civilised vs atavistic (snarled aloud into a savage laugh')/affluence vs poverty (areas of London)/ individual vs society ('fronted about with an air of defiance') 	Lanyon	 14) Empirical, rational man of the enlightenment 15) Calls Jekyll's approach 'unscientific balderdash' and 'scientific heresies' 16) After seeing the transformation: 'The rosy man had grown pale; his flesh had fallen away; he was visibly balder and older' 17) After seeing transformation: "deep-seated terror of the mind and 'a doomed man'
Secrecy and Reputation	 21) Victorian social mores were repressive and restrictive 22) Upper Class conformed to strict standards of propriety and decorum 23) Victorian Gentleman were inhibited, paranoid and secretive 24) Blackmailer's Charter, the law making homosexual acts illegal, passed in 1885 (same year as the novella was published. 25) Upper Class men lived in fear of blackmail and 'scandal'. Victorian readers may have suspected that Jekyll and Hyde were involved in an illicit homosexual relationship. 26) When Jekyll is Hyde, he commits 'secret pleasures' and is a 'secret sinner' 	Enfield	 18) Secretive, avoids gossip, obsessed with reputation 19) On gossip: 'The more it looks like Queer Street, the less I ask' 20) On gossip: 'you start a question, and it's like starting a stone' 21) His contrived walks with Utterson: 'looked singularly dull' BUT 'the chief jewel of every week'
Basic Plot and Chapter Summary	CH1: intro to Utterson(U). Enfield (E) tells of Hyde (H) trampling on a child. U thinks H is blackmailing Jekyll (J) CH2: U sees J's will-J leaves all to H. U speaks to Lanyon (L). L disagrees with H about science CH3: U argues with J about J's will. J asks U to look after H if J disappears. CH4: H batters Sir Danvers Carew. U goes to H's house in Soho-rooms are ransacked CH5: J shows U a letter he says is from H. U compares handwriting: H and J's are same. CH6: L has had a terrible shock. L dies, leaving U a letter-only open it if J disappears. CH7: U passes J's house, sees J have a seizure CH8: U and J's butler find a small man who has poisoned himself (H). CH9: L letter explains he saw H transform into J CH9: L letter explains he saw H transform into J	Hyde	 22) Feral, brutal, atavistic, savage, animalistic, diminutive, sadistic. 23) 'There is something wrong with his appearance; something displeasing, something downright detestable' 24) Violent Acts against the vulnerable: tramples on a child, murders Sir Danvers Carew 25) Symbolises Upper Class Victorian fears of the lower classes, poverty and criminality 26) 'he gives a strong feeling of deformity, although I couldn't specify the point." 27) 'his remarkable combination of great muscular activity and great apparent debility of constitution.' 28) 'so ugly that it brought out the sweat on me like running.' 29) 'detestable attributes' and' a fiend