

# Year 12 Topic Lists

6<sup>th</sup> - 10<sup>th</sup> December 2021



Cardinal Pole Catholic School

## Year 12 Timetable

Monday 1		Monday 2		Monday 3		Tuesday 1		Tuesday 2		Tuesday 3	
Subject	Room	Subject	Room	Subject	Room	Subject	Room	Subject	Room	Subject	Room
		Psychology	Sports Hall			Sociology	Sports Hall			Biology	Sports Hall
		Health & Social Care								Business	
		Further Maths									

Wednesday 1		Wednesday 2		Wednesday 3		Thursday 1		Thursday 2		Thursday 3	
Subject	Room	Subject	Room	Subject	Room	Subject	Room	Subject	Room	Subject	Room
Chemistry	Sports Hall			Maths	Sports Hall	Economics	Sports Hall			English (1h40)	Sports Hall
Spanish (1h45)				Geography		Philosophy				Drama	
										Media	T118

Friday 1		Friday 2	
Subject	Room	Subject	Room
History	Sports Hall	Art	T214
Physics			
Art	T214		

## Art

Final outcome to the 'Artists' and 'Mini' project. Own artist choice and theme(s)

# Biology

Chapter 2 – Basic components of living systems

Chapter 3 – Biological molecules

Chapter 4 – Enzymes

Chapter 5 – Plasma membranes

## Business

Limited and unlimited liability

Types of ownership Reasons for staying small as a business

Sources of finance

Brand

Market share

PED

S&D

Design mix

Dynamic market

## Chemistry

Chapter 2 - Atoms, ions and compounds

Chapter 3 - Amounts of substance

Chapter 4 - Acids and redox

Chapter 5 - Electrons and bonding

Chapter 6 - Shapes of molecules and intermolecular forces

## Drama

### **Prepare:**

- Strongest notes from journals on:
  - Chosen Practitioner – their methodologies, exercises and artistic intentions. Select significant practitioner exercise(s) that were used in practitioner workshop.
  - Play text stimulus – Know the events, characters and themes addressed in the extract. And a general understanding of the overall intentions of the play
  - Research conducted and used to influence performance ideas so far. This should be referenced in details and a clear thought process outlined that you have explored as a group.
  - Initial ideas for staging, structure, content, characters of your work so far. Detailing and justifying how this link to your stimulus and what your intentions are.

## Economics

2.1.5 - Mass and Niche Markets

2.2.1 - PED

2.1.3 - Research and Development

1.3.1 - Demand

1.3.2 - Supply

1.1.3 - Business Stakeholders

1.1.2 - Business Objectives

2.1.2 - Inorganic Growth

## English

### Section A: A Streetcar Named Desire

Topics – Blanche, Stella, Stanley, Shep Huntleigh

### Section B: Drama and Poetry Contextual Linking

Topics - conflict, fear, loss, exile

## Further Maths

### Core Pure

Complex Numbers
Argand Diagrams and Loci
Series
Roots of polynomials
Matrices

### Decision

Algorithms
Graphs and Networks
Algorithms on graphs
Route inspection
Travelling salesman

## Geography

### Hazardous Earth:

- Palaeomagnetism/Sea Floor Spreading/ Continental drift
- Landforms associated with Hazardous Earth
- Different Plate boundaries
- Volcanoes and Earthquake case studies

### Disease Dilemmas

- Disease mitigation
- pharmaceutical TNCs
- How to combat disease
- Landscape changes

## Health and Social Care

### LO1 - types and signs of abuse

- types of abuse
- signs of different types of abuse

### LO2 - factors which may lead to abusive situations

- adults, young people and children most at risk from abuse
- Environmental factors that may make abuse more likely
- Other factors that may make abuse more likely

### LO3 - legislation, regulatory requirements and guidance that govern the safeguarding of adults, young people and children

- Current applicable legislation

### LO4 - how to deal with suspected abuse and disclosures of abuse

- People who might suspect or be told about abuse
- How to deal with disclosures of abuse and suspected abuse

# History

## South Africa- Topic 1 List

Topic/ area	What do I need to know?
<b>Divisions in South Africa prior to 1948</b>  <i>Background</i>	<ul style="list-style-type: none"> <li>- Land Act 1913</li> <li>- Impact and implementation of passes</li> <li>- What was the colour bar and how did this impact jobs ( mining etc.)</li> </ul>
<b>Afrikaner Identity</b>  <i>Key focus- How did these events impact Afrikaner identity</i>	<ul style="list-style-type: none"> <li>- Dutch Reformed Church</li> <li>- Great Trek</li> <li>- Boer War 1899-1902</li> </ul>
<b>Why did the NP win the 1948 elections?</b>	<ul style="list-style-type: none"> <li>- Foreign influence</li> <li>- Weakness of UP</li> <li>- Strength of NP</li> <li>- Economics/ WW2</li> </ul>
<b>How was apartheid implemented?</b>	<ul style="list-style-type: none"> <li>- Key apartheid acts 1950-1960 (E.g. Population Registration Act, Mixed Marriages Act etc.)</li> </ul>
<b>How did the government increase their powers?</b>	<ul style="list-style-type: none"> <li>- Police powers ( E.g. Suppression of Communism Act, Riotous Assemblies Act)</li> </ul>
<b>What forms did apartheid resistance take?</b>	<ul style="list-style-type: none"> <li>- ANC and ANCYL</li> <li>- Defiance Campaign</li> <li>- Freedom Charter of 1955</li> <li>- Treason Trial of 1956</li> <li>- Women's protest ( inc Black Sash)</li> <li>- Rural Protest</li> <li>- PAC ( aims)</li> </ul>

South Africa:

### Key Questions to focus on:

- Why did the NP get into power?
- How was apartheid implemented?
- What forms did resistance take? ( different groups/ aims)
- How strong was resistance before 1960?

### Useful websites/ resources

- South African History Online
- Revision World ( for past papers)
- My revision notes – South Africa 1948 to Rainbow Nation)- History department have some / library have copies. KBR will scan onto teams
- Teams folder - Revision guides/ pages for topic 1
- Knowledge document topic 1
- Event grid ( front of folder)

## USA, 1917-80

### Topic 1: politics and presidency – a changing political environment, 1917-80

Topic	Revised
the rise and decline of Republicanism to 1933	
the influence of Roosevelt	
changing styles of presidential leadership, 1945–72	
a decline in confidence, 1968–80	
from rugged individualism to New Deal ideas in the 1920s and 30s	
the Red Scares and anti-communism, 1917–80	
liberalism, counter-culture and the conservative reaction, c1960–80	
the reasons for a return to 'normalcy' and a commitment to isolationism, 1917–41	
US emergence as a Cold War superpower from 1941	
the impact of involvement in Korea and Vietnam.	

### Topic 2: The quest for civil rights, 1917–80

Topic	Revised
: life in the South and the impact of northern migration, 1917–32	
the impact of the New Deal, the Second World War and the Truman presidency	
from legal challenge to direct action, 1917–55	
Black American civil rights, c1955–80	
changing patterns and approaches, 1955–68, including southern-based campaigning, the emergence of Black Power and King's northern strategy, including southern-based campaigning, the emergence of Black Power and King's northern strategy	
the impact of civil rights legislation	
achievements and limits to success, 1955–80	

# Maths

## Pure Maths

Algebraic expressions - surds and indices
Straight line graphs - Linear modelling
Sine cosine rule and area of triangles
Trig graphs
Circles
Quadratics - Modelling
Equations and inequalities and regions

## Statistics

Correlation and linear regression
Measures of location and spread and linear interpolation
Outliers and correlation
Probability

# Media

## Advertising and Marketing

- Tide
  - Media Language
  - Representation
  - Audience
  - Contexts (Historical, Cultural, Social)
- Water Aid
  - Media Language
  - Representation
  - Audience
  - Contexts (Cultural, Social)
- Kiss of The Vampire
  - Media Language
  - Representation
  - Contexts (Historical Cultural, Social)

## Music Video

- Beyoncé - Formation
  - Media Language
  - Representation
  - Contexts (Historical, Cultural, Social)
- Vance Joy - Riptide
  - Media Language
  - Representation
  - Contexts (Cultural, Social)

Remember papers will include unseen texts in these forms (advertising and marketing, music video) that you will need to analyse in terms of Media Language or Representation.

## Exam Structure

**Media Language 15 marks** – a question on how Media Language is used to create meaning in an UNSEEN TEXT (print or audio visual).

**Representation 30 marks** – a comparison of the representation of a group (e.g. gender) in a set text and an unseen text (print or audio visual)

**Audience 10 marks** – How a media form (e.g. adverts) targets an audience with reference to a set text.

## Philosophy

- Predestination
- Virtue Ethics
- The qualities of God
- The teleological argument

# Physics

Quantities and units, Derived Units

Measurements and uncertainties

Scalars and vectors including adding and resolving

Linear Motion

Projectiles

Motion with Non-Uniform Acceleration

Equilibrium

Density and pressure

Charge & Mean Drift Velocity

Circuit Symbols, E.M.F & P.D.

Resistance

Power

Resistivity (PAG 3)

Series and Parallel Circuits

Internal Resistance

Potential Dividers

## Psychology

### Research methods:

- Aims: stating aims, the difference between aims and hypotheses.
- Hypotheses: directional and non-directional.
- Experimental designs: repeated measures, independent groups, matched pairs.
- Experimental method. Types of experiment, laboratory and field experiments; natural and quasi-experiments.
- Variables: manipulation and control of variables, including independent, dependent, extraneous, confounding; operationalisation of variables.
- Control: random allocation and counterbalancing, randomisation and standardisation.
- Demand characteristics and investigator effects.
- Sampling: the difference between population and sample; sampling techniques including: random, systematic, stratified, opportunity and volunteer; implications of sampling techniques, including bias and generalisation.
- Pilot studies and the aims of piloting.
- Ethics, including the role of the British Psychological Society's code of ethics; ethical issues in the design and conduct of psychological studies; dealing with ethical issues in research.
- Descriptive statistics: measures of central tendency – mean, median, mode; calculation of mean, median and mode; measures of dispersion; range and standard deviation; calculation of range; calculation of percentages;
- Observational techniques. Types of observation: naturalistic and controlled observation; covert and overt observation; participant and non-participant observation.
- Observational design: behavioural categories; event sampling; time sampling.

### Social Influence:

1. Types of conformity
  - Internalisation
  - Identification
  - Compliance
2. Explanations for conformity
  - Informational social influence
  - Normative social influence
  - Variables affecting conformity including group size, unanimity and task difficulty as investigated by Asch
  - Conformity to social roles as investigated by Zimbardo
3. Explanations for obedience
  - Milgram's study into obedience

- Situational variables affecting obedience including proximity, location and uniform, as investigated by Milgram
- Agentic state and legitimacy of authority
- Dispositional explanation for obedience: the Authoritarian Personality

## Sociology

### Families:

1. Perspectives on the family (Functionalism, feminism, New Right and Marxism)
2. Social policy and the family

### Education:

3. Internal factors for class differences in attainment
4. External factors for class differences in attainment

# Spanish

## ASPECTS OF HISPANIC SOCIETY

- Modern and traditional values (Los valores tradicionales y modernos)
- Franquismo
  - o - Los cambios en la familia
  - o - Actitudes hacia el matrimonio/el divorcio
  - o - La influencia de la Iglesia Católica
- Cyberspace (El ciberespacio)
  - o - La influencia de internet
  - o - Las redes sociales: beneficios y peligros
  - o - Los móviles inteligentes en nuestra sociedad
- Equal rights (La igualdad de los sexos)
  - o - La mujer en el mercado laboral
  - o - El machismo y el feminismo
  - o - Los derechos de los gays y las personas transgénero

## ARTISTIC CULTURE IN THE HISPANIC WORLD

- Modern day idols (La influencia de los ídolos)
  - o - Cantantes y músicos
  - o - Estrellas de televisión y cine
  - o - Modelos
- Spanish regional identity (La identidad regional en España)
  - o - Tradiciones y costumbres
  - o - La gastronomía
  - o - Las lenguas
- Cultural heritage (El patrimonio cultural)
  - o - Sitios turísticos y civilizaciones prehispánicas: Machu Picchu, la Alhambra, etc
  - o - Arte y arquitectura
  - o - El patrimonio musical y su diversidad

## GRAMMAR

- Nouns
- Articles
- Adjectives
- Numerals
- adverbs
- quantifiers/intensifiers
- pronouns
- verbs tenses (present, preterite, imperfect, future, conditional, perfect, future perfect, conditional perfect, pluperfect)
- infinitive, gerund and past participle form of verbs used in certain expressions
- specific uses of subjunctive
- passive voice
- ser and estar
- prepositions
- conjunctions
- negation
- question