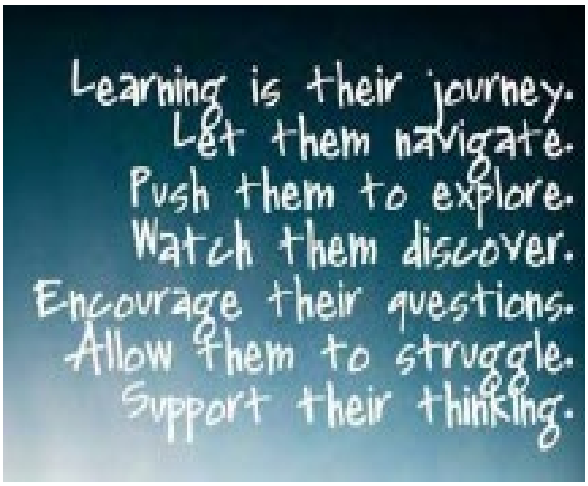
TRINITY CATHOLIC HIGH SCHOOL

YEAR 10 LEARNING JOURNEYS 2025-2026

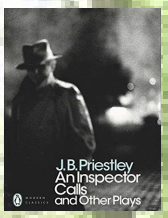
Our 'Learning Journeys' provide an outline of the diverse range of knowledge rich and engaging subject topics that students can enjoy during their GCSEs at Trinity Catholic High School.

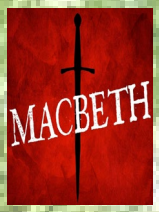
We developed these 'journeys' to help students to understand the sequence of their learning and how their lessons fit into the bigger picture. This is further supported in lessons, where teachers and students explore the deeper meaning behind their learning; not only how topics link to those previous but also their connections to the wider world, their links to the principles of Catholic Social Teaching and how learning opportunities can support in fulfilling the Trinity Mission.

Learning journeys are placed at the front of all exercise books, and we encourage parents and carers to review them with their children. This helps everyone visualise the path of learning students will be following throughout the academic year.



Year 10 English Learning Journey

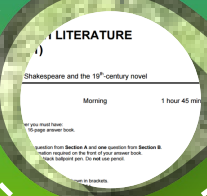




GCSE Texts

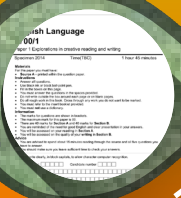
You will finish the year by developing your speaking and listening skills in order to deliver a presentation.

End of Year Assessment – you will complete a Literature Paper of *Macbeth* and *A Christmas Carol* (1 hour 45 minutes) and a Language Paper 2: Writer's viewpoints and perspectives (1 hour 45 minutes).



The study of *A Christmas Carol* will be supported with the study of unseen non-fiction extracts (Language Paper 2) to develop analysis of writer's ideas and perspectives from different contexts.

Mid –Year Assessment – you will complete a literature essay question on *Macbeth* (50 minutes) and a Language Paper 1: Explorations in Creative Reading and Writing (1 hour 45 minutes).



Your learning of *Macbeth* is supported with the study of unseen fiction extracts (Language Paper 1) to develop analysis of writer's ideas and choice of linguistic and structural features.

'I read: I travel: I become.' – Derek Walcott

At the start of term three, you will continue to develop critical reading skills further through comparing texts with the study of the Power & Conflict poetry anthology (Literature Paper 2)

Towards the end of the year, you will be able to compare key ideas and themes across texts with confidence!

For term two, you will develop critical reading skills through analysing Charles Dickens' *A Christmas Carol*. (Literature Paper 1)

By the end of term 1, you will be able to analyse a range of texts, set or unseen, and understand how the writer creates effect.

You will start the year developing critical reading skills when analysing William Shakespeare's *Macbeth* (Literature Paper 1) in term 1

2025-2026

Year 10-H Mathematics

Algebraic Manipulation

Basic Algebra, Factorisation, Quadratic Expansion, Expanding Squares, More than two binomials, Quadratic Factorisation, Factorising ax^2+bx+c, Changing the subject of a formula

Right-angled Triangles

3D Pythagoras', trigonometry to find missing lengths and angles, applied trigonometry to solve problems involving isosceles triangles. Bearings and trigonometry.

Autumn Test

1 x Calculator Paper

Equations & Inequalities

Linear equations, elimination, substitution, balancing coefficients, solving problems, linear inequalities, trial and improvement

Count, Accuracy, Power & Surds

Rational numbers, reciprocals, terminating and recurring decimals, estimation, powers and roots, negative and fractional indices, surds, solving problems using limits of accuracy, choices and outcomes

Probability

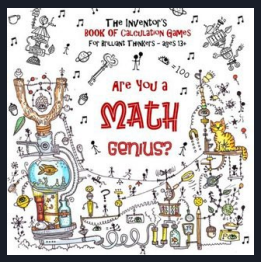
Combined events, addition rules, probability tree diagrams, independent events, conditional probability

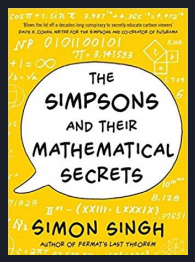
End of Year Test

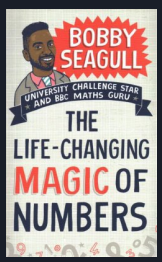
1 x Non Calculator
1 x Calculator

DID YOU KNOW?

People who were good at maths as young children go on to earn more than other similar children by the time they are 30, a study has found.
Source: BBC NEWS







Reading Books

Linear Graphs

Draw graphs from points, gradient-intercept method, equation of a line from the graph, real-life use of graphs, simultaneous equations, parallel and perpendicular lines

Similarity, Probability & Standard Form

Similar triangles, areas and volumes of similar shapes, experimental probability, expectation, two-way tables, frequency trees, Venn diagrams powers, multiplying and dividing using standard form

DID YOU KNOW?

A googol is the large number 10^{100}
In decimal notation, it is written as the digit 1 followed by one hundred zeroes.

Mid-Year Test

1 x Non-Calculator Paper
1 x Calculator Paper

DID YOU KNOW?

The famous NBA 24 second shot was created using an quadratic equation

Quadratic Equations

Plotting quadratics, solving by quadratic formula, solving by completing the square, significant points of a quadratic curve, solve linear and non-linear, solve by intersection, quadratic simultaneous equations and quadratic inequalities

Statistics

Sampling data, frequency polygons, cumulative frequency graphs, box plots, comparing data and histograms

Variation

Direct and inverse proportion

Year 10-F Mathematics

Expressions & Formulae

Basic algebra, substitution, expanding brackets, factorization, quadratic expansion, quadratic factorization, and changing the subject of a formula

Ratio, Speed & Proportion

Ratio, speed, distance, time, direct proportion and best buys

DID YOU KNOW?

Learning algebra helps to develop your critical thinking skills. This includes problem solving, logic, patterns, and reasoning. You need to know algebra for many professions, especially those in science and maths.

Volumes & Surface Area

3D Shapes, volume and surface area of a cuboid, volume and surface area of a prism and cylinder

DID YOU KNOW?

People who were good at maths as young children go on to earn more than other similar children by the time they are 30, a study has found. Source: BBC NEWS

Linear Equations

Solving linear equations using the balance method, sole equations with brackets, solve equations with an unknown on both sides

Curved Shapes & Pyramids

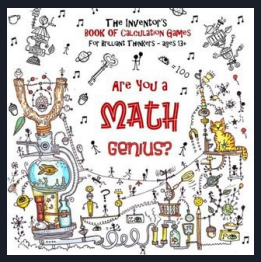
Sectors, pyramids, cones and spheres.

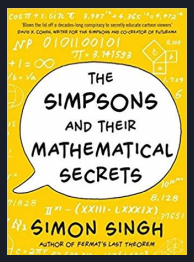
Constructions & Loci

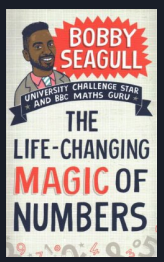
Constructing triangles, angles, bisectors, perpendicular bisectors, defining a locus, loci problems

DID YOU KNOW?

A locus (plural: loci) (Latin word for "place", "location") is a set of all points (commonly, a line, a line segment, a curve or a surface), whose location satisfies or is determined by one or more specified conditions.







Reading Books

Linear Graphs

Graphs and equations, gradient of a line, y= mx + c, find the equation from a graph, parallel lines, real life graphs, simultaneous equations using graphs

Autumn Test

1 x Calculator Paper

Transformations & Probability

Rotational symmetry, translations, reflections, rotations, enlargements, combined transformations, calculating probabilities, probability of not happening, mutually exclusive events, experimental probability, expected outcomes and choices

Mid-Year Test

1 x Non-Calculator Paper
1 x Calculator Paper

DID YOU KNOW?

A googol is the large number 10^{100}
In decimal notation, it is written as the digit 1 followed by one hundred zeroes.

Percentages

Equivalence, Percentage of a quantity, increase/decrease, one quantity as a percentage of another, compound measures, compound interest, repeated percentage change, reverse percentages, direct and inverse proportion.

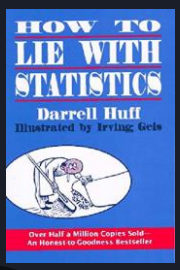
Statistics

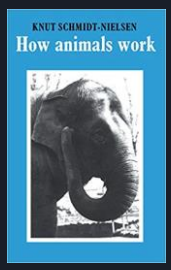
Sampling, pie charts, scatter diagrams and lines of best fit, grouped data and averages

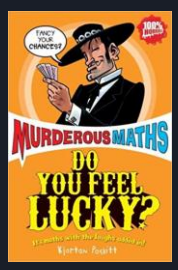
End of Year Test

1 x Non Calculator
1 x Calculator

Year 10-1ab
Statistics







Reading Books

Collection of Data

Describing data, primary and secondary data, capture-recapture formula, random sampling, non-random sampling, stratified sampling, collection of data, questionnaires, interviews, hypothesis, and designing investigations,

Introduction to GCSE Statistics

Capture-recapture formula, stratified sampling, Spearman's rank coefficient of correlation calculations

Processing & Representing Data

Tables, two-way tables, pictograms, bar charts, stem and leaf diagrams, pie charts, comparative pie charts, population pyramids, choropleth maps, histograms and frequency polygons. Cumulative frequency diagrams, shape of distribution, unequal width histograms, misleading diagrams and selecting the right diagram

Autumn Test

1 x Calculator Paper

Summarising Data

Averages, frequency tables, grouped data, transforming data, geometric and weighted mean, measures of dispersion, standard deviation, box plots, outliers, skewness, choices, comparing data and making estimates.

Mid-Year Test

1 x assessment paper

Scatter Diagrams & Correlation

Scatter diagrams, correlation, causal relationships, lines of best fit, finding the equation of the line of best fit, interpolation and extrapolation, Spearman's rank interpretation and calculation PMCC

Time Series

Time series graphs, trend lines, variation, moving point averages, seasonal variation,

DID YOU KNOW?

A career as an Actuary offers a wide range of opportunities and gives you the chance to apply your mathematical and statistical skills to real life challenges

Index Numbers

Simple index numbers, RPI, CPI, GDP, chain base, index numbers and rates of change

Probability

Using probability to assess risk, experimental probability, mutually exclusive and exhaustive events, addition law, independent events, Venn diagrams, sample space diagrams, tree diagrams, conditional probability and formula for conditional probability

End of Year Test

Assessment paper

Probability Distributions

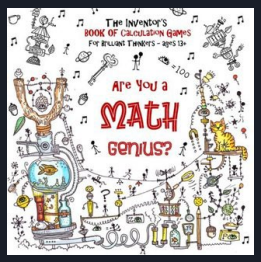
Binomial distribution, Normal distribution, standardised scores, quality assurance, control charts.

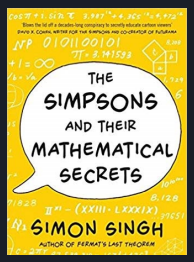
DID YOU KNOW?

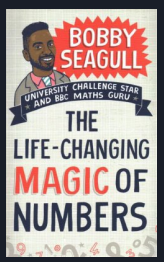
Statistician is listed among the Bureau of Labor Statistics' fastest growing careers in 2018 and it's predicted to grow 33 percent by 2026. During that same period, jobs are only expected to grow by 7.4 percent. In 2016, the median statistician made over $80,000, much higher than average $50,620.

It's a great time to be a statistician!

Summer Y10–Y11 Additional Mathematics







Polynomials

Addition, subtraction, multiplication and division of polynomials. The factor theorem. Quadratic equations

Sequences

Sequences and recurrence relationships.

Points, lines and circles

The line joining two points. The coordinate geometry of circles.

Trigonometric Functions

Trigonometric functions for angles of any size. Sine and cosine rules. Identities involving sin, cos and tan. Using trigonometrical identities to solve equations.

Applications of trigonometry

Applications in modelling. Working in three dimensions

Binomial distribution

Binomial expansion. The binomial distribution.

Numerical Methods

Locating a root of an equation. Improving a root. Iterative sequences. Gradients of tangents. Area under a curve. Applications of numerical methods

Differentiation

Differentiation. The gradient of a curve. Stationary points.

Integration

The rule for integrating x^n where n is a positive integer. The integral notation. Definite integrals. Area between a curve and the x axis. Areas below the x axis. The area between two curves.

Applications of equations and inequalities in one variable

Applications of equations, solving linear and quadratic inequalities.

Linear inequalities in two variables

Illustrating linear inequalities in two variables. Using inequalities for problem solving. Linear programming

Permutations and combinations

Probability diagrams. Factorials and product rule. Permutations and combinations

Exponentials and Logarithms

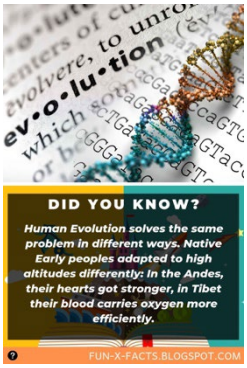
Properties of the exponential function. Logarithms. Reduction to linear form. Equations involving exponentials

Application to Kinematics

Motion in a straight line. Acceleration due to gravity. Finding displacement from velocity

Combined Biology

Year 10 Part 1



Pathogens and Disease

Health and Disease

Organising Animals and Plants

Evaporation and Transpiration

Tissues and Organs in Plants

Transport Systems in Plants

Helping the Heart

Breathing and Gas Exchange

Blood Vessels

The Heart

The Blood

Cell Division

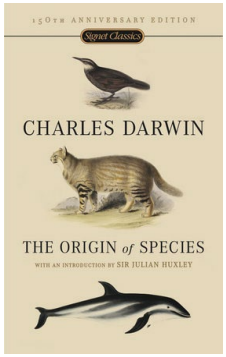
Stem Cell Dilemmas

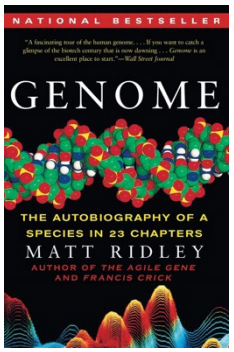
Growth and Differentiation

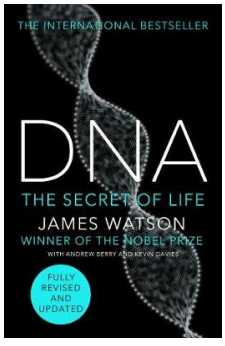
Stem Cells

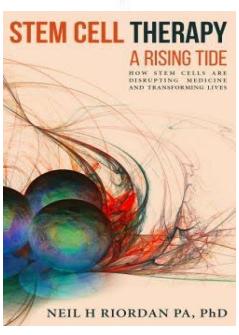
Review Cells and Cell transport

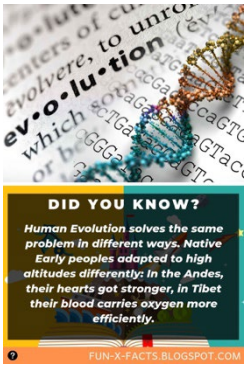
Cell Division











Combined Biology

Year 10 Part 2

PAPER 2: ECOLOGY

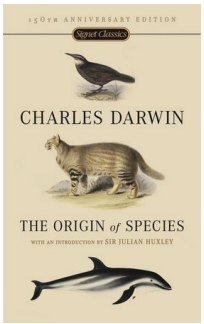
UNIT 1 MOCK and REVIEW

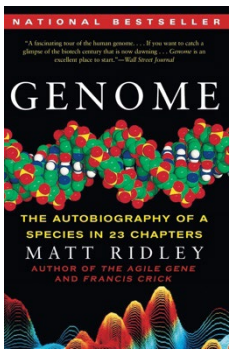
Non-Communicable Diseases

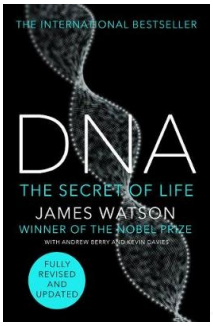
- Diet , Exercise and Disease
- Cancer
- Smoking and the risk of Disease
- Developing Drugs
- Non Communicable Diseases
- Antibiotics and Painkillers
- Discovering Drugs
- Vaccination

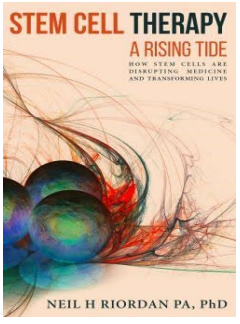
Communicable Diseases

- Human Defence Responses
- Bacterial Diseases
- Diseases caused by fungi and protists
- Preventing Infection
- Viral Diseases



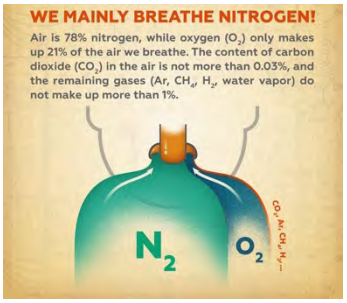






Combined Chemistry

Year 10 Part 1

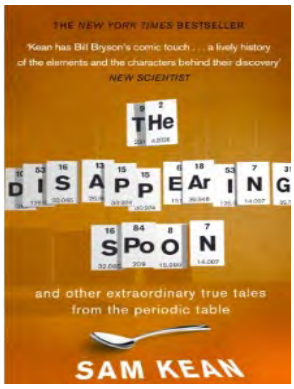


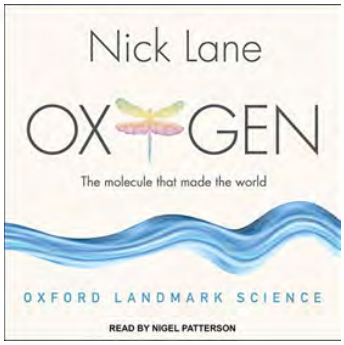
Chemical Calculations

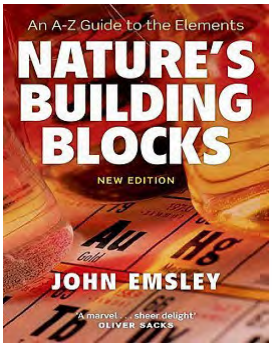
- The Reactivity Series
- Displacement Reactions
- Expressing Concentrations
- Masses and Balanced Equations
- Relative Masses and Moles
- Equations and Calculations

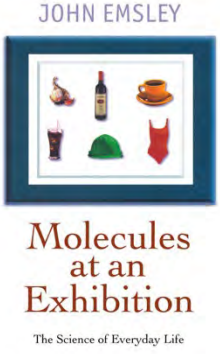
Structures and Bonding

- Rev: Metallic Bonding
- Rev: Giant Metallic Structures
- Rev: Giant Covalent Structures
- Rev: Fullerenes and Graphene
- Rev: Simple Molecules
- Rev: Covalent Bonding
- Rev: Ionic Bonding
- Rev: Giant Ionic Structures
- Rev: States of matter
- Rev: Atoms into Ions



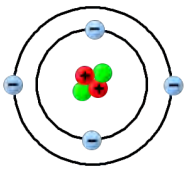




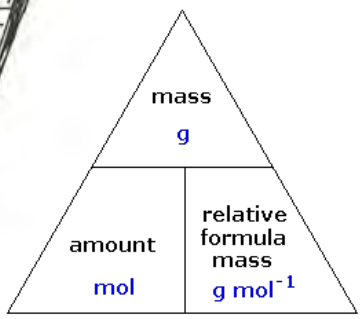


Combined Chemistry

Year 10 Part 2



Proton
Neutron
Electron

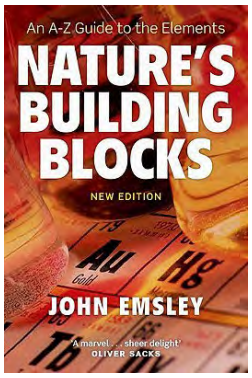


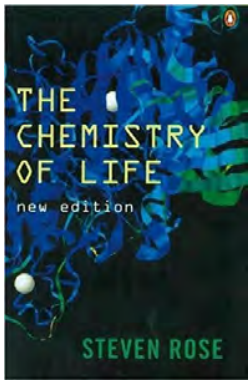
Electrolysis

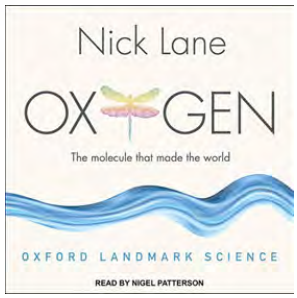
- Extraction of Aluminium
- Electrolysis of Aqueous Solutions
- Changes at the Electrodes

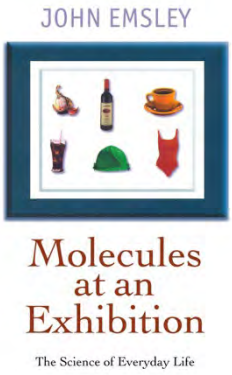
Chemical Reactions and Energy Changes

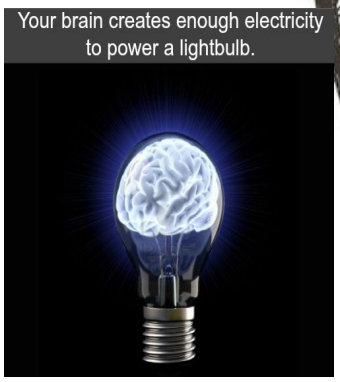
- Introduction to Electrolysis
- Bond Energy Calculations
- Review Bonding and Separation Techniques
- Using Energy Transfers from Reactions
- Reaction Profiles
- Exothermic Reactions
- Endothermic Reactions
- Strong and Weak Acids
- Neutralisation and the pH scale
- Salts from Insoluble Bases
- Making More Salts
- Extracting Metals
- Salts from Metals











Combined Physics

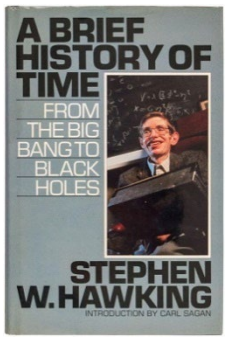
Year 10 Part 1

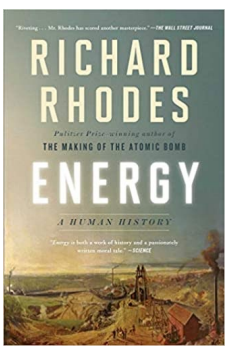
Matter and Radioactivity

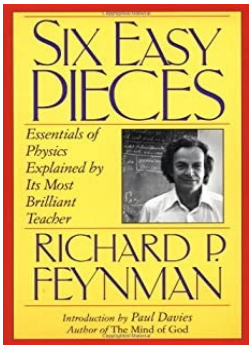
- Current and Charge
- Potential Difference and Resistance
- Radioactivity and Half Life
- Alpha, Beta and Gamma radiation
- Changes in the nucleus
- Discovery of the nucleus
- Atoms and Radiation
- Review development of Atomic model
- Review Molecules and Matter

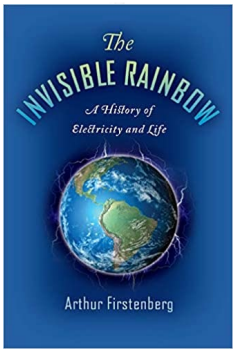
Review Energy and Energy Resources

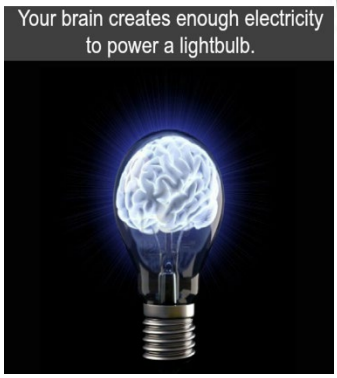
- Review Energy Resources
- Review Energy transfer by heating
- Review Conservation and dissipation of Energy











Combined Physics

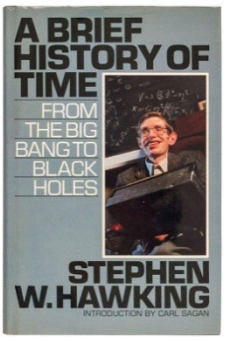
Year 10 Part 2

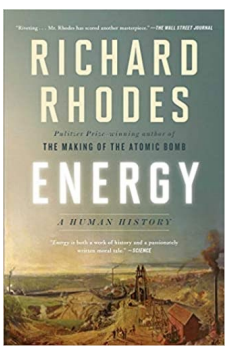
Forces and Motion

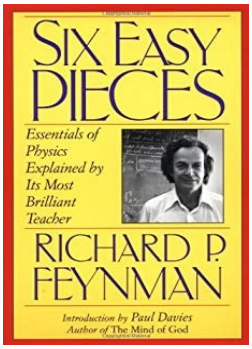
- Analysing Motion Graphs
- Vectors and Scalars
- Velocity- Time Graphs
- Velocity and Acceleration
- START PHYSICS UNIT 2
- Speed and Distance-Time graphs
- UNIT 1 MOCK EXAM
- UNIT 1 MOCK REVIEW
- Electrical Currents and Energy Transfer
- Appliances and Efficiency
- Electrical Power and Potential Difference

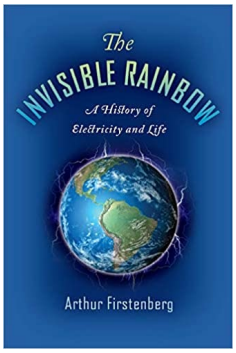
Electricity

- Cables and Plugs
- Parallel Circuits
- Alternating Current
- Component Characteristics
- Series Circuits



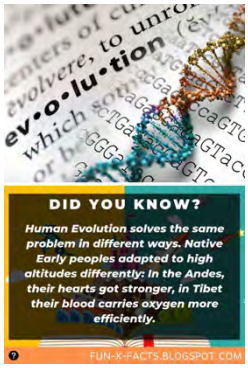






Separate Biology

Year 10 Part 1



Pathogens and Disease

Growing Bacteria in the lab

Health and Disease

Organising Animals and Plants

Factors affecting transpiration

Transport Systems in Plants

Evaporation and Transpiration

Breathing and Gas Exchange

Tissues and Organs in Plants

The Heart

Helping the Heart

Blood Vessels

Cell Division

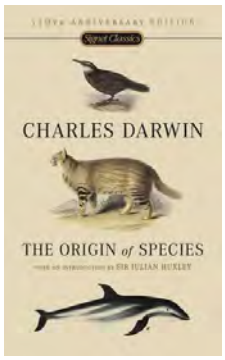
The Blood

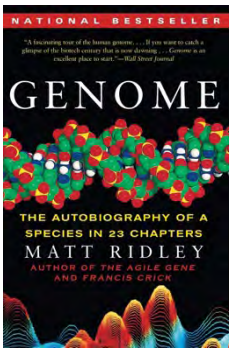
Stem Cells

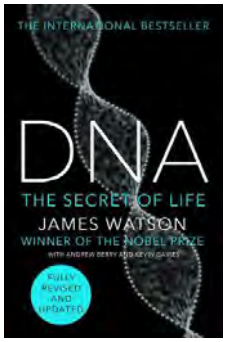
Stem Cell Dilemmas

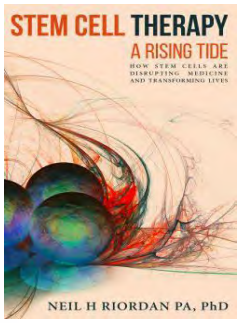
Cell Division

Growth and Differentiation









End of Paper 1 Content: Mock and Review

Separate Biology

Year 10 Part 2

Diet, Exercise and Disease

Alcohol and other Carcinogens

Smoking and Disease

Non-Communicable Diseases

Cancer

Making and Using Monoclonal

Non communicable Diseases

Antibiotics and Painkillers

Discovering and Developing Drugs

Plant Defence Responses

Vaccination

Plant Diseases

Communicable Diseases

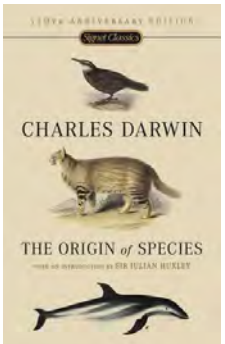
Human Defence Responses

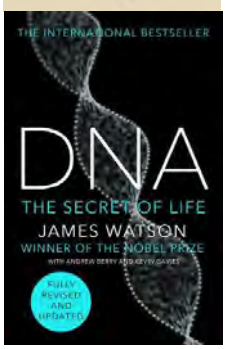
Viral Diseases and Bacterial Diseases

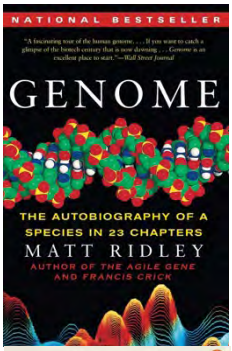
Diseases Caused by Fungi and Protists

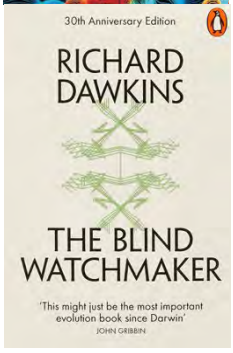
Preventing Bacterial Growth

Preventing Infections



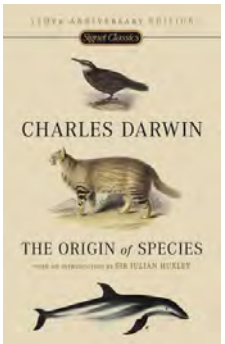


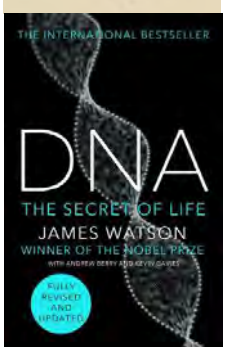


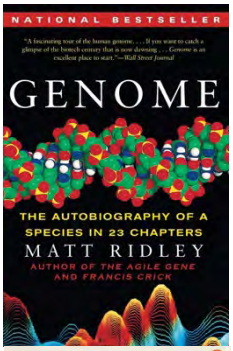


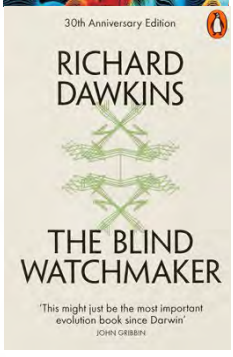
Separate Biology

Year 10 Part 3









Biodiversity and Ecosystems

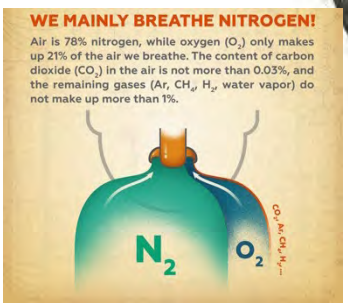
- Global Warming
- Maintaining Biodiversity
- Deforestation and peat destruction
- Air Pollution
- Human Population Explosion
- Land and Water Pollution
- The Carbon Cycle
- Rates of Decomposition
- Biomass Transfers
- Materials Cycling
- Trophic Levels and Biomass

Organising an Ecosystem

- Feeding Relationships
- Competition in animals and plants
- Adaptations and survival in animals and plants
- Importance of Communities and organisms in their environment
- Distribution and Abundance

Separate Chemistry

Year 10 Term 1a / 1b

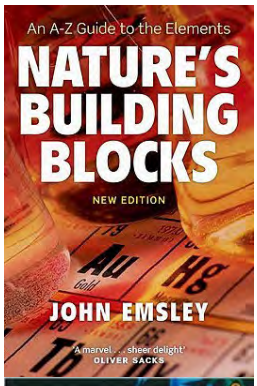


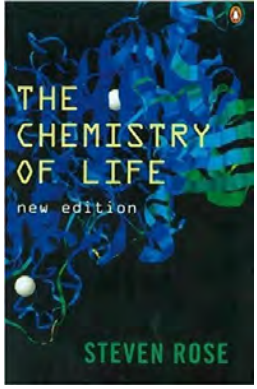
Chemical Calculations

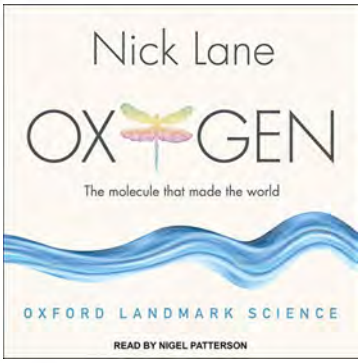
- From Masses to Balanced Equations
- The yield of a Chemical Reaction
- Equations and Calculations
- Relative Masses and Moles

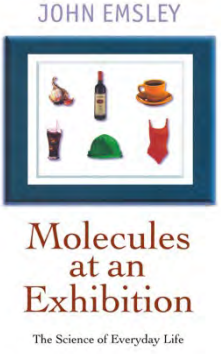
Structures and Bonding

- Rev Giant Metallic Structures
- Nanoparticles and their Applications
- Rev Fullerenes and Graphene
- Rev Bonding in Metals
- Rev Structure of Simple Molecules
- Rev Giant Covalent Structures
- Rev Covalent Bonding
- Rev Giant Ionic Structures
- Rev Atoms into Ions
- Rev Ionic Bonding
- Transition Elements
- Rev States of Matter



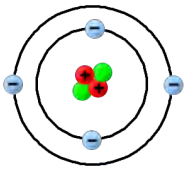




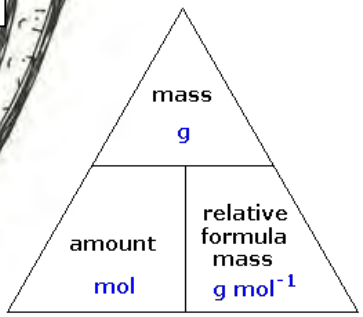


Separate Chemistry

Year 10 Term 1b/2a



Proton
Neutron
Electron

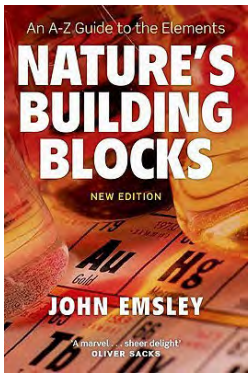


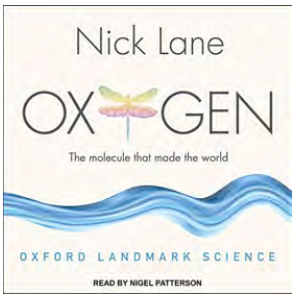
Energy Changes

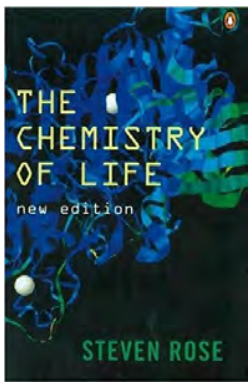
- Using Energy Transfers from reactions
- Reaction Profiles
- Exothermic and Endothermic Reactions
- Strong and Weak Acids
- Salts from acids with alkalis and carbonates
- Neutralisation and the pH scale
- Salts from metals
- Salts from insoluble bases
- Displacement reactions
- Extracting Metals
- The reactivity series

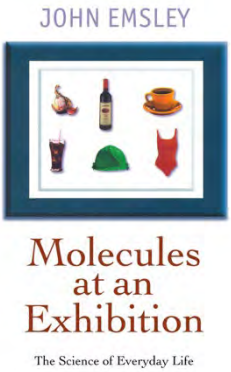
Chemical Changes

- Volumes of Gases
- Titrations
- Titration Calculations
- Atom Economy
- Expressing Concentrations









Separate Chemistry

Year 10 Term 2a/2b/3a

GCSE PAPER 2 CONTENT begins

CHEMISTRY PAPER 1 MOCK REVIEW

The Earth's Atmosphere

GCSE PAPER 1 CHEMISTRY MOCK

Electrolysis of Aqueous Solutions

The Extraction of Aluminium

Changes at the Electrodes

Introduction to Electrolysis

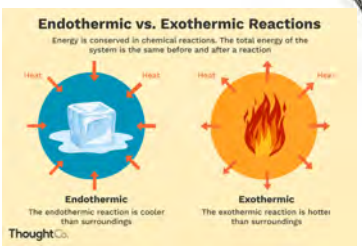
Electrolysis

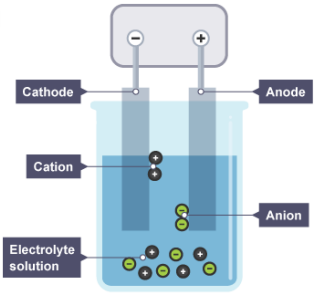
Fuel Cells

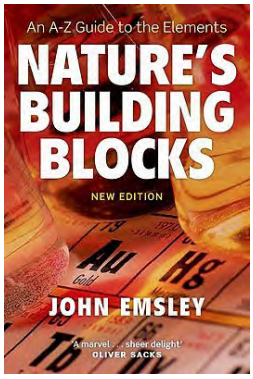
Chemical Cells and Batteries

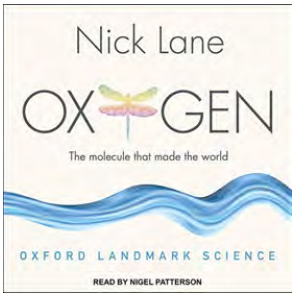
Reaction Profiles

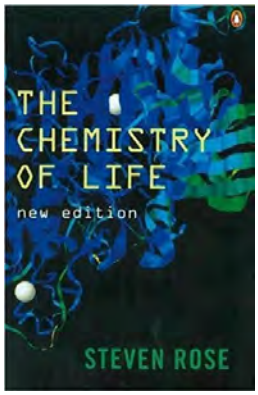
Bond Energy Calculations

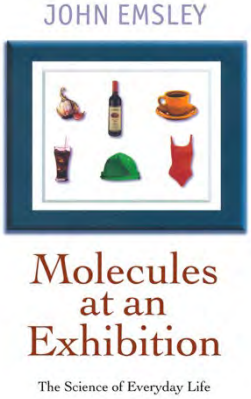


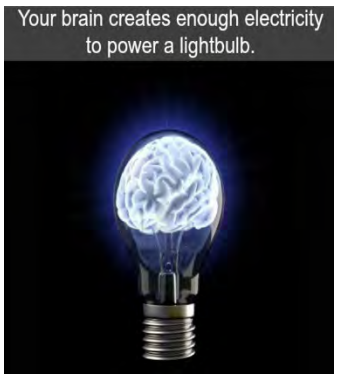












Separate Physics

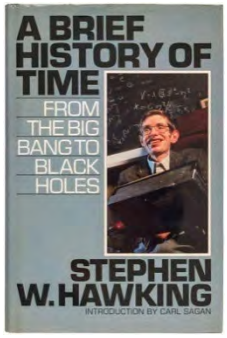
Year 10 Term 1a/1b

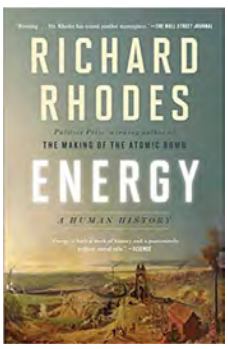
Molecules, Matter and Radioactivity

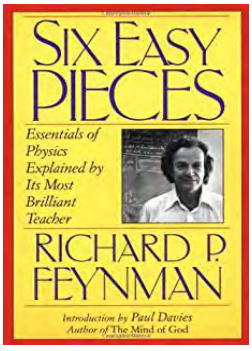
- Activity and Half Life
- Nuclear radiation and Medicine
- Alpha, Beta and Gamma radiation
- Review yr 9: Atoms and the discovery of the nucleus
- Gas Pressure and Temperature
- Gas Pressure and Volume
- Internal Energy
- Specific Latent Heat
- Energy and Power
- Review yr 9: Density and states of matter

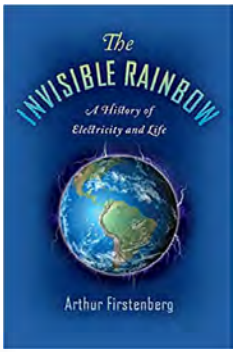
Energy and Energy Resources

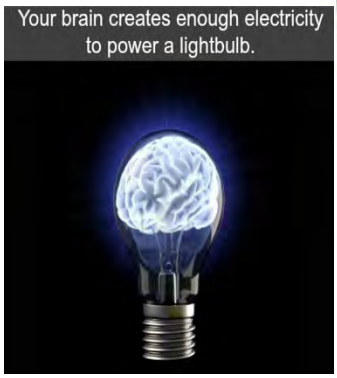
- Electrical Appliances
- Energy and Efficiency
- Kinetic and Elastic Energy Stores
- Energy Dissipation
- Review yr 9: Energy resources
- Review yr 9: Conservation and Dissipation of Energy











Separate Physics

Year 10 Term 1b/ 2a

Electricity

Appliances and Efficiency

Electrical Currents and Energy Transfer

Electrical Power and Potential Difference

Alternating Current

Cables and Plugs

Series Circuits

Parallel Circuits

Potential Difference and Resistance

Component Characteristics

Current and Charge

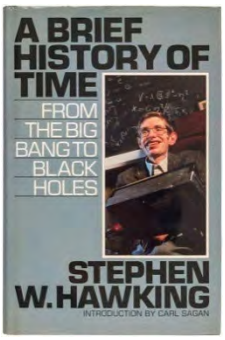
Radioactivity and Electricity

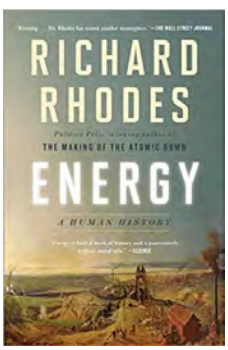
Electrical Charges and Fields

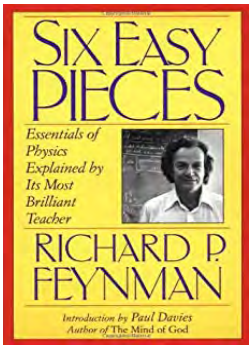
Nuclear Issues

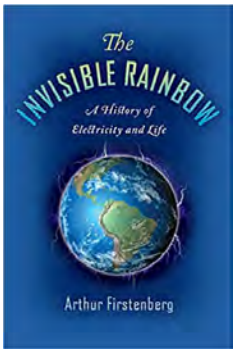
Nuclear Fission

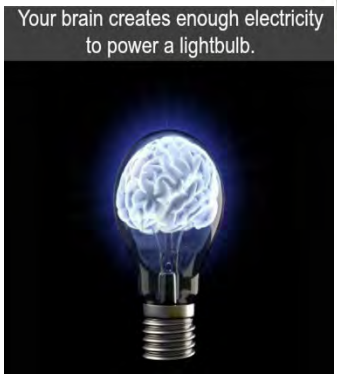
Nuclear Fusion











Separate Physics

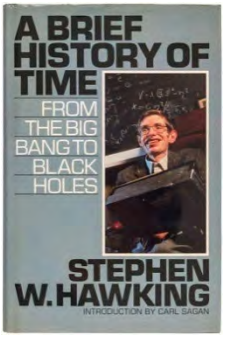
Year 10 Term 2b/3a/3b

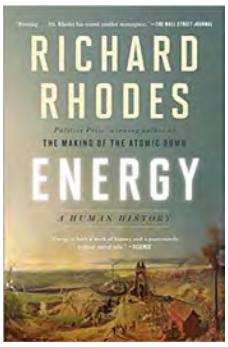
Forces and Motion

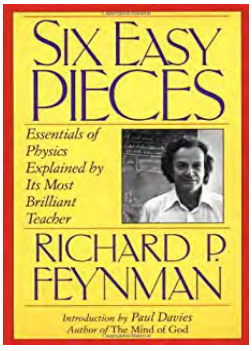
- Using Conservation of momentum
- Impact Forces and Safety
- Momentum
- Forces and Braking
- Newton's Third Law; Forces between objects
- Weight and Terminal Velocity
- Newton's First Law; Resultant Forces
- Newton's Second Law; Force and Acceleration
- Velocity- Time Graphs
- Analysing Motion Graphs
- Velocity and Acceleration

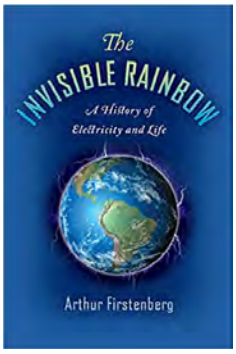
Motion

- Speed and Distance-Time graphs
- START PHYSICS UNIT 2
- Vectors and Scalars
- UNIT 1 MOCK EXAM
- UNIT 1 MOCK REVIEW





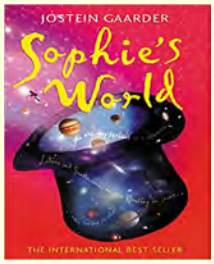


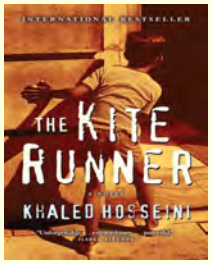


GCSE

Religious Studies

Reading Books





Philosophy & Ethics: Existence of God

Revelation; Visions; **Miracles;** Religious Experiences; **The Design Argument**; The Cosmological Argument; **The Existence of Suffering;** Solutions to the Problem of Suffering

Did you know?

Miracles are events that break the laws of Science.

Catholic Christianity: Beliefs & Teachings

The Trinity; **Trinity in the Bible**; Creation; Creation & the nature of humanity; The Incarnation; **The Paschal Mystery; The Significance of the Paschal Mystery;** Eschatology

Did you know?

Christianity began in Jerusalem 2,000 years ago after the birth of Jesus Christ.

Judaism: Beliefs & Teachings

The Almighty; The Shekhinah; **The Messiah**; The covenant at Sinai; The covenant with Abraham; Sanctity of Life; Moral principles and the Mitzvot; **Life after death**

Did you know?

Judaism is an Abrahamic faiths, along with Christianity and Islam. They are monotheistic religions (they believe in one God.)

Catholic Christianity: Sources of Wisdom & Authority

The Bible; Interpretation of the Bible; The magisterium; The second Vatican Council; The Church as the Body of Christ; the four marks of the Church; Mary as the model of the Church; Personal & ethical decision making

Did you know?

Over 100 million copies of the Bible are sold each year.

Mock exams

Mid module tests; End of module tests; Knowledge Checks; Walking Talking Mocks; Mid Year Mocks (Y10 & Y11), End of Year Mock (Y10)

Philosophy & Ethics: Relationships & Families

Marriage; **Sexual Relationships**; The Family; **Support for the Family**; Family Planning; **Divorce, Annulment and Remarriage**; Equality of Men and Women in the Family; **Gender Prejudice and Discrimination.**

Did you know?

Marriage is Sacrament through which a covenant is formed between the man and women with God.

Catholic Christianity: Practices

The sacramental nature of reality; **Liturgical worship**; The funeral rite; **Prayer**; Forms of Popular Piety; Pilgrimage; Catholic Social Teaching; Catholic mission & evangelism

Did you know?

A total of 70 miraculous healings have been recognised at Lourdes since 1858, when a 14-year-old peasant girl claimed that she had seen the Virgin Mary in a cave

Judaism: Practices

Public acts of worship; The Tenakh & Talmud; **Private prayer**; The Shema & the Amidah; Ritual and ceremony; Shabbat; Festivals; Features of the synagogue

Did you know?

There are approximately 263,346 Jews in England and Wales. 60% of all UK Jews live in Greater London.

Catholic Christianity: Forms of Expression & Ways of Life

Catholic church architecture; Catholic church features; Sacred objects; Artwork in Catholicism; Sculpture & statues; Symbolism & imagery in religious art; Drama; Music in worship

Did you know?

Early Christians used symbols to avoid detection in the Roman Empire when their religion was still illegal.

GCSE Religious Studies Exams

Exam Board: Edexcel

Catholic Christianity – 50% - 1hr & 45 mins

Judaism – 25% - 50 mins

Philosophy & Ethics – 25% - 50 mins

GCSE ART
RPG JOURNEY

COURSEWORK 60%

PROJECT 1 DECAY

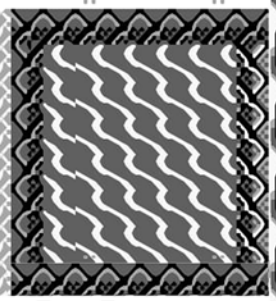
Artist research:

Capriccio Art, Cildo Merelies - babel Sam Taylor Wood, Ozymandias

Group Sculpture based upon The Stacks location in Ready Player One

Portfolio and sketchbook work based upon the Stacks.

2D and 3D media exploration to complete project



PROJECT 2 IDENTITY

Artist research:

Andy Warhol - Gold Marilyn, Glenn Ligon - Runaways, Frida Kahlo, Hyperreality.

Self portrait work, media exploration working towards an independent outcome for y11 mock exam and coursework final piece.

EXAM PROJECT 40%

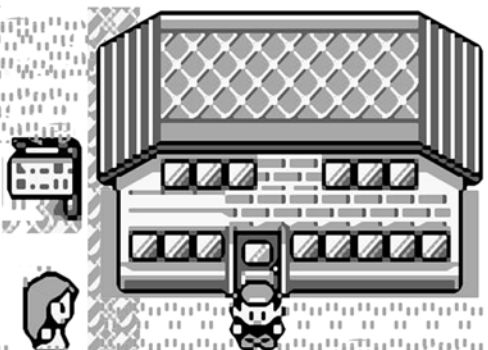
Project title set by the Edexcel

Work in class towards creating a final piece related to the exam title.

Explore artists related to the title.

Create your own resources/images to work from and develop them towards your final piece.

10 hour exam in school over two days to complete your final piece.



Careers and Experiencing Work

Learning Journey

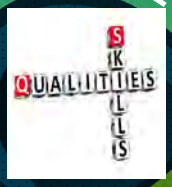
Year 10

Achieving your Short Course

The aims of the Careers and experiencing Work Short Course – ASDAN.

Self-Development

A look at your skills and qualities and how these impact on different career pathways.



Career Management

How to apply for a course, an apprenticeship or a job that interests you.

Considering Apprenticeships

Exploring what an apprenticeship is.

Finding out about the different types of apprenticeships that are available.

Being at Work

Undertaking a period of work experience or a work placement

To Year 11

Recording your Progress and Skills

What are key / core skills?

Why are they important?

Career Exploration

A look at how to find out more information about post 16 options.

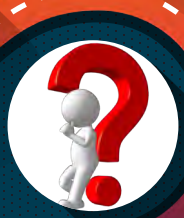
Considering Higher Education

Exploring what higher education is.

What factors to consider when deciding if HE is right for you.

Preparing for the Workplace

Exploring how to identify and apply for a suitable work experience placement



Reflections:

Summary of Achievement

Personal Statement

How can I secure my Post 16 pathway?

- Year 10 Business Learning Journey -

Intent: Your teacher is preparing the next generation of entrepreneurs by exposing you to the very best of core theoretical and applied material, developing reflective and independent learners who are analytical; curious and open-minded; enabling you to think; make decisions and solve complex problems like real working entrepreneurs.

Autumn

START

Baseline Numeracy Test

1. Purpose and Nature of Business

2. Business Ownership

3. Aims and Objectives

4. Stakeholders

Spring

5. Business Location

Link with geography

6. Business Planning

7. Expanding a Business

8. Technology

Exam

January

9. Ethics and Environment

10. Economic Climate

11. Globalisation

Link with geography

12. Legislation

Key Links

Low Stakes Test

Summer

13. Competition

14. Production

15. Procurement

16. Quality

17. Customer Service

18. Organisational structures

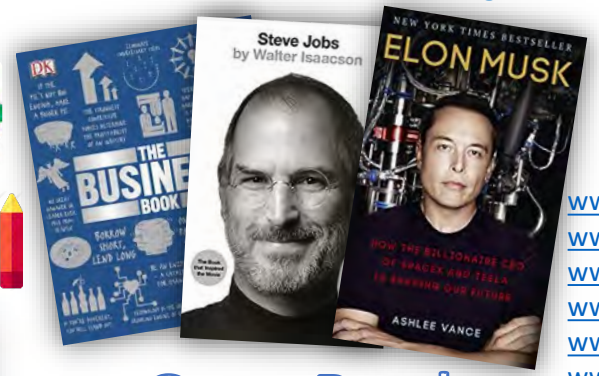
Exam

June

19. Recruitment

20. Motivation

Great Reads



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www.marketwatch.com
www.theguardian.com

Wal-Mart averages a profit of $1.8 million every hour.

The red and white Coca-Cola logo is recognized by 94% of the worlds population.

Business is the modern spelling of the Old English bisignes “care, anxiety, occupation.

There were 5.9 million small businesses at the start of 2020.

The number of businesses per person (business density) is higher in southern England than elsewhere in the UK.

Françoise Meyers (L'Oréal) is the worlds richest woman, net worth = $80.5b

GCSE Computer Science: Learning Journey

Recommended reading


Data representation

How computers represent numbers, text, images and sound using binary. The binary, decimal and hexadecimal number systems. Units of information. How data can be compressed to use less storage space.

Computer systems

Systems architecture. Boolean logic and logic circuits. Classification of software. Classification of programming languages and translators.

Cyber security

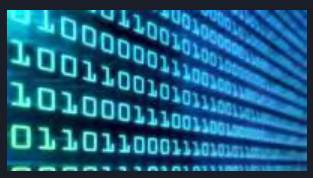
Cyber security threats including social engineering and malware. Methods to detect and prevent cyber security threats.

Networks

Advantages and disadvantages of computer networks. Types of computer network. Common network protocols. The TCP/IP model. Network security methods.

Advanced programming

Using subroutines in programs. Local vs global variables. Data structures: records. Using named constants in programs.



Programming

Inputs and outputs. Creating and using variables. Selection and iteration programming structures. String handling.

Further programming

Using random numbers. Data structures: arrays. Robust and secure programming.

Databases

Relational databases and database concepts. Writing programs to manipulate databases with SQL (Structured Query Language).

Algorithms

The concept of an algorithm. Well-known algorithms for searching and sorting. Write simple algorithms and determine the purpose of given algorithms. Compare the efficiency of algorithms. The principles of abstraction and decomposition.

Revision

Preparation for GCSE exams - including revision of all previously-studied topics.

GCSE Assessment

There are two exam papers sat at the end of Year 11, each marked out of 90 and is worth 50% of the GCSE. *Paper 1: computational thinking and programming skills* assesses the topics related to programming and algorithms; *Paper 2: computing concepts* assesses the topics of data representation, computer systems, cyber security, networks and databases.

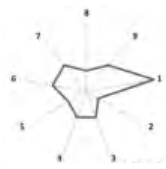
Design & Technology
Year 10 Learning Journey

Remember – Understand – Apply – Analyse – Evaluate - Appraise

Exam board AQA Exam is worth 50% - NEA is worth 50%

GCSE Design and Technology will develop you skills in working with graphic design, paper and card and your knowledge of Design and Technology across a range of materials including textiles, electronics, timber but especially paper and boards. You will explore iterative designed concepts, review a range of past designs and designers, develop your drawing skills and find out about new and emerging technologies such as Laser cutting, 3D printing and smart materials. The NEA is a non-examined assessment which is similar to course-work. It will be worked on in lessons under teacher supervision but can be done at home. Students will have the final half term of year 10 and completed spring half term in year 11. It combines planning, designing, drawing and making skills in a final product. Topics change every year and are released by AQA on June 1st.

Related product analysis



Design Brief

AQA

1st June NEA topics released

Section "A" Investigate

Work Experience

Section "B" Write a Design Brief

Drawing

YEAR 11

Research Analysis

Market Research

Product Specification

Summer Half term

Product Evaluation

Pin Ball

End of Year Exams

Branding Companies

Drawing

Other Designers

Energy Storage

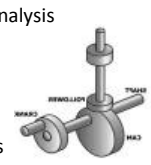
Wind up toy

Research Analysis

Easter Holiday

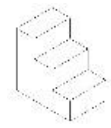
Design Math

Cams



Linkages

Design Ideas drawing



Smart Watch

Spring Half term

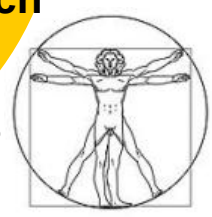
Fancy Card

Exam Technique Section B

Mechanical Advantage

Moving Bookmark

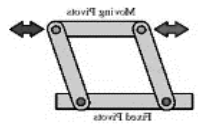
Ergonomics & Anthropometrics



Paper and Card

Die cutting

Mechanisms



Automata

Research Analysis

Laser cutting

Key Ring

CAD CAM

Specialist Technical

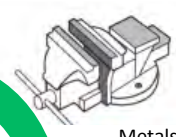
Modern Materials

Print T-shirt

Smart Materials

New Year TEST

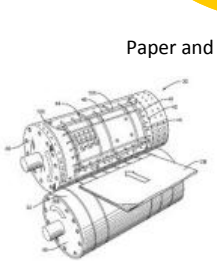
Christmas Holiday



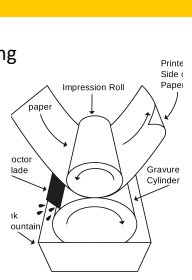
Metals

Paper and Card

Die cutting



Printing



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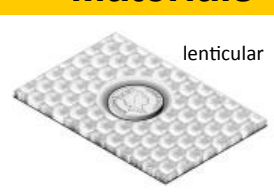


Textiles

Timber

Just in time production

Batch Continuous

Laser cutting

Core Exam Content

Electronics

Autumn Half Term

Mini TEST

Production Techniques & Systems

CAD

Christmas Bauble

Making Design Decisions

Drawing

Paper and Card

Plastics

Graphic finish

Life cycle analysis

The 3 R's

Manufacturing

Soldering

Input Process Output

Halloween Light

Energy Sources

Fossil Fuels

Recycling Project

Sustainability & the Environment

Design A Robot

Industry & Enterprise

Start of Y10 Autumn

Renewable Energy

Fret saw

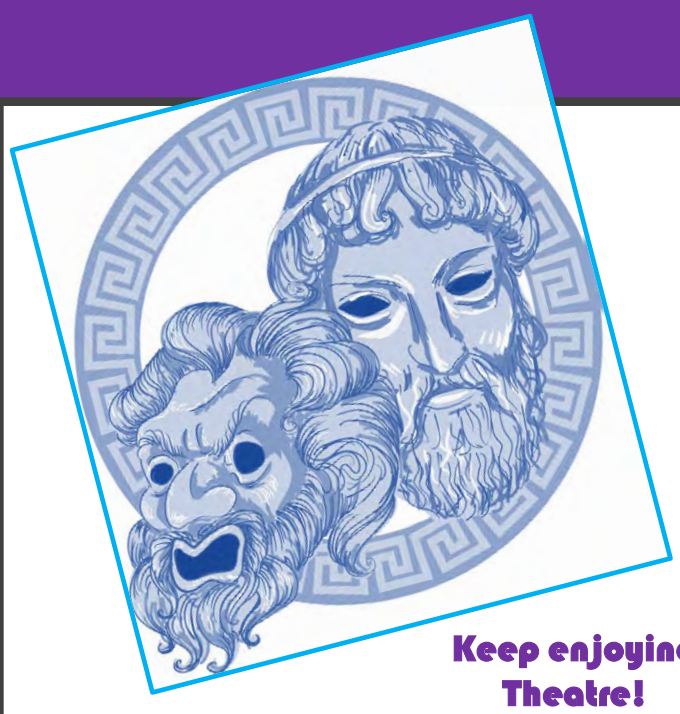
Marking out

Drilling

FSC

The Forest Stewardship Council

GCSE Drama Learning Journey



Keep enjoying Theatre!

Trinity Sixth Form
A level Drama and Theatre Studies

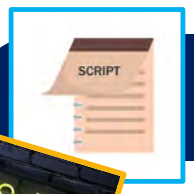
College for vocational training in theatre

Sit final written Examination

May

Final Revision for written examination: Theatre roles Terminology, A Taste of Honey and Billy Elliot, The Musical.

AQA Component 3:Texts in Practice NEA: The rehearsal and presentation of scripted extracts from a play in a group or as a solo performance.



Complete Devising Log NEA: Written essay about the process of making and performing your piece of political theatre: 30% of GCSE

FEB MOCK WRITTEN EXAM

Plays in the style of Political Theatre

AQA Component 1: Understanding Drama - Written examination. Questions on: Theatre Roles and Terminology and A Taste of Honey.

Revision for mock written examination: Theatre roles and Terminology, A Taste of Honey and Billy Elliot, The Musical.

Devising Theatre NEA:
The creation and performance of a play in a group, inspired by a stimulus.

YEAR 11

Political Theatre Practitioner Bertolt Brecht

END OF YEAR ASSESSMENT

Live Theatre Production: Billy Elliot, the Musical . Understanding how the play has been interpreted in performance.

AQA Component 1: Understanding Drama - Written examination. Questions set on the areas of design covered (Q1) and performance skills you would use to act out a moment from the play (Q2)

MID YEAR ASSESEMENT

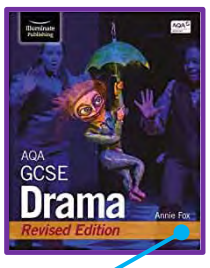
A Taste of Honey is studied from the perspective of transforming it from page the stage. You will explore the play developing ideas as a director, designer and a performer

Immerse yourself in the 1950s: films, music, fashion & attitudes

YEAR 10

Practical lessons in the first term will focus on building collaboration skills. This will include concentration and trust exercises to build confidence and to help establish a strong group dynamic

A Taste of Honey by Shelagh Delaney



Essential Reading

WE MUST ALL DO THEATRE TO FIND OUT WHO WE ARE AND TO DISCOVER WHO WE COULD BECOME

- Year 10 Economics Learning Journey -

Intent: "To prepare the next generation of economists by exposing students to the very best of core theoretical and applied material, developing reflective and independent learners who are analytical; curious and open minded; enabling them to think; make decisions and solve complex problems like real working economists.

Autumn

1. Main economic groups & factors of production
2. The basic economic problem
3. The role of markets
4. Demand
5. Supply
6. Price

Spring

Mock

7. Competition
8. Production
9. The labour market

Link with geography

10. The role of money

Summer

11. The role of financial markets

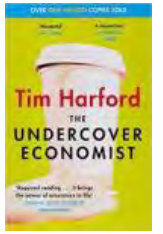
Link with geography

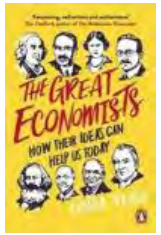
12. Economic growth

Mock Exam Revision

mock

Great Reads





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Capitalism did best between the 1950s and the 1970s, an era of high regulation and high taxes

The internet was invented by the US government, not Silicon Valley

Low Stakes Test

Economics has been defined as "the study of scarcity and choice"

There is no single economic theory that can explain Singapore's economy

KS4 FOOD LEARNING JOURNEY

AQA FOOD PREPARATION AND NUTRITION

B – Demonstrate technical skills

C – Planning for the final menu

REVISE

A - Researching

Food Preparation Assessment

Revision

EXAM

Post 16 Destinations

Apprenticeship

University

A Levels

Professional H & C Routes

NEA 2

D – Making the final dish

E – Analysis and evaluation

ReviseNOW!

Cuisines

Food choice

Recap

A – Research

Food Investigation

NEA 1

Recap

Sensory analysis

YEAR 11

Food production

Food and the environment

Food sources

Sensory Testing

Taste receptors

Olfactory systems

C – Analysis and evaluate

B - Investigation

Food Science

Food Provenance

Food processing and production

Environmental and sustainability

Food Provenance

Technological developments

Sustainability

Food Choice

Sensory Evaluation

International

British

Cuisines

Food labelling

Marketing

Biological

Chemical

Enzymic browning

Influences of Food choice

Food Choice

Selecting appropriate cooking methods

Coagulation

Denaturation

Gelatinisation

Caramelisation

Plasticity

Emulsification

Preparing, cooking and serving food

Food Science

Cooking of food and heat transfer

Protein

Carbohydrates

Fats and oils

Fruits and Vegetables

Raising Agents

Food Science

Moral

Steam

Why food is cooked and how heat is transferred

Gluten Formation

Foam Formation

Dextrinization

Aeration

Shortening

Oxidation

Mechanical

Buying and storing food

Food Safety

Principles of food safety

Microorganisms and enzymes

Energy needs

Balance diet

Minerals

Vitamins

Carbohydrates

Microorganisms in food production

Food spoilage and contamination

Food Safety

Food, Nutrition and Health

Nutritional needs and health

Micronutrients

Macronutrients

Food, Nutrition and Health

YEAR 10

The signs of food poisoning

Bacterial contamination

Diet nutrition and health

Nutritional analysis

Water

Fats

Proteins

Year 10 French Learning journey

French is the 4th most spoken language in the world, and 5th for business. Can you guess how many people speak French ?

French is spoken on all 5 continents

On 21st June is celebrated the « Fête de la musique », with free gigs and music

Themes

1. People and lifestyle
2. Popular culture
3. Communication and the world around us

Module 1

As-tu du temps à perdre?

Popular culture
Communication & the world around us

Translation, reading literary texts

Reading aloud
Phonics

Module 2

Mon clan, ma tribu

People and lifestyle
Popular culture

Mid-year exams

Module 3

Ma vie scolaire

People and lifestyle

France is not only in Europe ! It's also in the Caribbean, South America and Oceania

France has many amazing landscapes, including the French « Colorado »

Module 4

En pleine forme

People and lifestyle

Role play, photo card

Practice vocabulary with Memrise

Module 5

Numéro vacances

Communication & the world around us
Popular culture

General conversations

June Mock exams

Year 11

La musique francophone

Practise French grammar at https://languagesonline.org.uk

GCSE Geography learning journey

"Geography illuminates the past, explains the present and prepares us for the future. What could be more important than that?" Michael Palin

Further Reading:

Geofiles
World Wise Magazine
BBC News

Revision Help:

Ask your teacher
Knowledge Organisers
Check 20s
CGP revision guide
Textbook
Kerboodle
Seneca
Time for Geography
Cool Geography

YEAR 11

SUMMER

- Sit Geography GCSE exams
- Continue with Revision

AUTUMN

- PAPER 3 PRE-RELEASE ISSUED
- In-class revision starts
- URBAN ISSUES AND CHALLENGES
- Paper 2 Mock
- THE CHANGING ECONOMIC WORLD
- Walking Talking Mock and practice the pre-release (Paper 3)

SPRING

- Y11 Parents Evening
- Paper 1 and Paper 3 Mock
- Have a relaxing summer and get prepared for Y11!
- Start studying for Paper 2: Challenges in the Human Environment
- THE CHALLENGE OF RESOURCE MANAGEMENT
- Summer Geography Mock

YEAR 10

AUTUMN

- Choose Geography as one of your GCSE options
- Transition Lessons focusing on tropical rainforests and the pre-release booklet
- Start studying for Paper 1: Living with the Physical Environment
- COLD ENVIRONMENTS
- GLACIAL LANDSCAPES
- CLIMATE CHANGE
- ECOSYSTEMS

SPRING

- January Mock for topics covered so far
- RIVER LANDSCAPES
- Y10 Parents Evening
- Fieldtrip for Paper 3
- FIELDWORK WRITE-UP

SUMMER

- NATURAL HAZARDS
- TECTONIC HAZARDS

GCSE HISTORY Learning Journey

Unit 1: HEALTH AND THE PEOPLE

c1000 to present day

Part 1: The Middle Ages c1000-1500

'Medicine stands still'

- Causes, prevention and treatment of disease.
- Debt to Roman medicine – Galen.
- Power of Christian church.
- Case Study – the Black Death.

Exam questions format:

Q1: How useful is this source when studying an historical problem, i.e. why is it useful to answering a question?

Part 2: Renaissance Britain c1500-1800

'The beginnings of change'

- Change – Vesalius, Harvey and Paré.
- Causes, prevention and treatment of disease.
- Doctors, surgeons and hospitals.
- Change – Jenner and vaccination.
- Case study – The Great Plague.

Exam questions format:

Q2: Explain the significance of a medical event in history, i.e. what differences over time took place because of this evet?

Part 3: The Nineteenth Century

c1800-1900

'A revolution in medicine'

- Change – Pasteur, Koch and the germ theory.
- Microbes, vaccinations and magic bullets.
- Surgical problems and solutions – Simpson and anaesthetics, Lister and antiseptics.
- Public Health improvements – factors behind change.

Exam questions format:

Q3: In what ways are two medicine related events similar over time, i.e. in causes and consequences?

Part 4: The Twentieth Century

c1900-today

'Modern medicine'

- Antibiotics – Fleming and the development of penicillin.
- Impact of war and technology on surgery.
- Social reforms and medicine.
- Creation and development of the NHS.

Exam questions format:

Q4: Essay question requiring a judgement/conclusion over which factors are more important in medical progress, and why

GCSE HISTORY
Learning Journey

Unit 2: ELIZABETHAN ENGLAND
c1568-1603

Part 1:
Elizabeth's Court and Parliament

- Elizabeth and her court
- The difficulties for a female ruler
- The issue of marriage
- Norfolk's rebellion
- Essex's rebellion

Part 2:
Life in Elizabethan Times

- Wealth and fashion
- Historic houses
- Role of Elizabethan theatre
- Poverty in Elizabethan times
- Government's treatment of the poor
- Drake and voyages of exploration

Part 3:
Troubles at home and abroad

- Religious changes under Elizabeth
- Reactions to religious changes
- The 'catholic' threat
- Puritans
- Mary, Queen of Scots
- Conflict between England and Spain
- The Spanish Armada










Exam Questions:

Q1. How convincing is Interpretation A…?

Analyse 2-3 points about what is convincing in the interpretation and support with own knowledge and information from the source.

Q2. Explain what was important about…

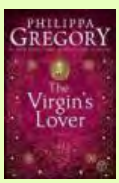
Analyse 2-3 points of importance with supporting factual knowledge and link to the wider historical work – long term significance, not just at the time.

Q3. Write an account of…

3 points from the main event must be discussed in chronological order and you must show how one event links to or leads to the next event.

Q4. Historical Environment – the focus for this question changes each year between three topics: the Spanish Armada, Elizabethan Theatre and Elizabethan Houses. For this question you will need to analyse a booklet of historical sources about the topic and use this information to answer a question in the exam.

ADDITIONAL READING



GCSE HISTORY Learning Journey

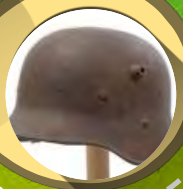
Unit 3: GERMANY

1890-1945 Democracy and Dictatorship

Part 1:

Germany and the growth of democracy 1890-1923

- Kaiser Wilhelm and the difficulties of ruling Germany.
- The impact of WWI.
- Weimar democracy.



Part 2:

Germany and the Depression 1929-1934

- The impact of the Depression and the growth in support for the Nazi Party.
- The failure of Weimar democracy.
- The establishment of Hitler's dictatorship.

Part 3:

The experiences of Germans under the Nazis 1933-1945

- Economic changes.
- Social policy and practice.
- How Hitler kept control.

Exam Questions:

Q1 – Q3 will be based on two written interpretations. The authors of these interpretations will have been present when an event took place, but they will have written their interpretation of the event a number of years later.

Q1. How do the interpretations differ?

Q2. Why do the interpretations differ?

Q3. Which interpretation is most convincing?

Q4. Describe – you will need to describe two key features or characteristics of a topic you have studied.

Q5. Explain – you will need to explain in what ways a group or development was affected by something.

Q6. Evaluate – you must write an essay weighing up two bullet points. They might be causes (e.g. which played the most important role in causing a development) or consequences (e.g. which was affected most by…)

GCSE MEDIA STUDIES

YEAR 10

LEARNING JOURNEY

TERM 1A

SEP-OCT

Induction Unit/ 1A Advertising

An introductory unit which teaches the key concepts and ideas related to this course followed by the first of the exam units. This is based on analysis of 2 advertising texts.

TERM 1B

NOV-DEC

1A Film Marketing, 1A Magazines

A study of how media language creates meaning in specific media industries including representation of key social groups.

TERM 2A

JAN-FEB

1A Newspapers, 1B Film

A study of how media language creates meaning in specific media industries including representation of key social groups.

TERM 2B

FEB-APR

1B Radio, 1B Video Games

A study of how specific media industries target audiences and fit into the industries they are part of including regulation.

TERM 3A

APR-JUN

Revision Unit

An revision unit which covers all of the Year 10 content in preparation for the end-of year mock exam which is a full component 1 paper.

TERM 3B

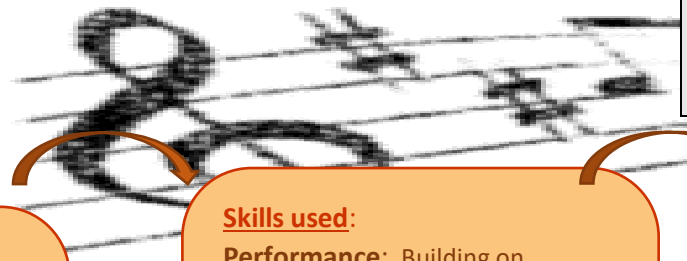
JUN-JULY

NEA Coursework

The coursework is worth 30% of the overall grade and requires students to create a print media product in response to a specific brief.

Music GCSE Learning Journey

Performing: 30% =4 mins	Composing: 30% = 3 min	Exam; Listening & Appraising 40%
1 solo piece **1** ensemble piece **(60 marks)**	1 student set brief 1 exam board set brief. **(60 marks)**	Section A: short Q's on Set works Section B: Comparative essay **1hr 45min (80 marks)**



Year 10: Autumn term

Course content

Analysis of set works and related background.

Instrumental Music 1700-1820 *(Bach: Brandenburg Concerto no 5 3rd movement & Beethoven: Piano Sonata no 8 1st movement)*

Skills used:
Performance: Building on instrumental/vocal skills through solo performance practise.
Compositional: exploring melodic writing, chord sequences and simple structure.
Analytical: identifying instruments, keys, chords and devices.

Links:
Baroque period: Historic Europe in the 18th Century, the role of the musician, art,

Year 10: Spring term

Course content

Analysis of set works and related background.

Vocal Music
(Purcell: Music for a While & Queen: Killer Queen)

Links:
Drama, historical, cultural and social context of baroque and rock music.

Skills used:
Performance: use instruments/voices to perform sections from set works.
Compositional: start with ideas for composition 1
Analytical: identifying instruments, text setting devices, vocal techniques.

Year 10: Summer term

Course content

Analysis of set works and related background. Essay writing.

Music for Stage and Screen
(S. Schwartz: Defying Gravity & J Williams: main title/Rebel blockade runner from Star Wars

Skills used:
Performance: preparation for solo performance.
Compositional: finalise composition 1 and complete. (15%)
Analytical: identifying instruments, compositional devices, the theme/story of each set work.
Essay skills.

Links:
Theatre, Classical and romantic orchestra, Media, English script writing.

Year 11: Autumn term

Course content

Analysis of set works and related background.

Fusions
(Afro Celt Sound System: Release & Esperanze Spalding: Samba Em Preludio)

Skills used:
Performance: Recording of Solo & Ensemble performance **(30%)**
Compositional: work on Set brief composition
Analytical: identifying instruments, compositional devices, cultural features.

Links

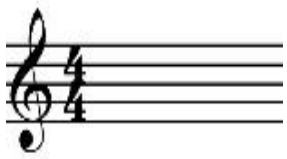
Geography

Cultural & social contexts.

Year 11: Spring term

Revision/Exam technique/ Listening exam practise/mock exams

Record Composition 2 Set Brief



Trinity Catholic High School GCSE PE Learning Journey

A Level PE
Sports scholarship

Examination

There are two papers for GCSE PE., both of which are one hour written.
Paper 1 covers Applied Anatomy & Physiology and Physical Training.
Paper 2 covers Socio-Cultural Influences, Sports Psychology & Health, Fitness & Well-Being.

Final Preparation

Practical moderation and revision for final exams

SCAN HERE to see the OCR GCSE PE specification and the content you will cover in more detail.

SCAN HERE to see the requirements for the Practical Criteria and the Analysing & Evaluating Performance criteria.

Sport Psychology

Learners will understand the psychological factors that can affect performers. Learners will also develop knowledge of the characteristics and classification of skilful movements, along with goal setting, guidance and feedback, and mental preparation.

AEP Coursework Task – 10% of final Marks, comprehensive written document completed in class

Mock exams 2 full exam papers

Predicted practical grades

Ethical & Socio-Cultural Issues

Learners will understand the ethics in sport including sportsmanship, gamesmanship and deviance. The effects of drugs in sport and why performers take them will be understood along with reasons for player violence.

Diet & Nutrition

Learners will develop an understanding of the main components of a balanced diet, including the effects of these components and hydration on performers.

Commercialisation

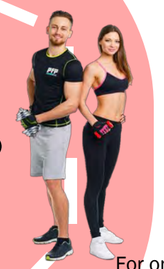
Learners will develop an understanding of commercialisation in sport, along with the positive/negative influences of media on participation and performances in sport.

Physical Activity & Participation

Learners will develop their knowledge and understanding of current participation trends, factors affecting participation and strategies to promote participation across a range of different groups in society.

Health, Fitness & Well-Being

Learners will understand the benefits of participating in physical activity to health, fitness and well-being. Learners will know about the physical, emotional and social benefits as well as the consequences of a sedentary lifestyle.



Year 10

Anatomy & Physiology

Students will learn about the structure and function of the skeletal, muscular, cardiovascular and respiratory systems and the effects of exercise on these systems. Students will be able to analyse movements demonstrating knowledge of levels and planes of

Physical Training

Learners will develop their knowledge and understand of the components of fitness required for physical activities and how each can be measured, be able to apply training principles to training programmes, along with knowing how to optimise training and prevent injury.

GCSE Physical Education Breakdown

Examination – 60%
Practical Assessment – 30%
Analyse & Evaluate Performance – 10%

Practical Assessment (30%)

For GCSE PE, you will be assessed in 3 sports, with a maximum of 2 from either the Individual or team category.

You will need to keep a competitive logbook of all the events that you do within your chosen sports. Your teacher will assess you in these sports. Any 'off-site' sports will need video evidence.

The list of available sports and more information of off-site video evidence can be found by scanning the QR Code above.

Analyse & Evaluate Performance (10%)

For one of your chosen sports, you will need to create a piece of coursework to demonstrate your ability to analyse and evaluate their own performance.

Learners will need to include:
- Analyse aspects of personal performance in a practical activity.
- Evaluate the strengths and weaknesses of the performance.
- Produce an action plan which aims to improve the quality and effectiveness of the performance.

Scan the QR Code above to find out more information.

YR10 PSHE LEARNING JOURNEY

Trinity Catholic High School
In Christo Florebimus

EQUALITY

International Women's Day

MONEY MATTERS

Summer

VOTE

RIGHT

CHOICE

JUSTICE SYSTEM

MANAGING INFLUENCES

Spring

EMOTIONAL HEALTH & TREATMENT

EXTREMISM

ONLINE

SAFETY & COMMUNICATION

MENTAL HEALTH

WELL-BEING

HUMAN RIGHTS

Sleep Well

HEALTHY SLEEP

FIRST AID

Autumn

BLACK HISTORY MONTH

MANAGING CHANGE

HOLOCAUST MEMORIAL DAY

Careers

RSE

RELATIONSHIPS & FAMILIES

Think POSITIVE

CYBER SECURITY

START

GCSE PSYCHOLOGY
Learning Journey
UNIT 1 – Memory

Topic 1

Processes: Encoding, storage and retrieval

This unit will start with the processes of memory, encoding (input), storage and retrieval (output). Students will be exploring a memory study such as Baddeley's encoding to view how information is encoded in our short term and long term memory.
The different types of long term memory are explored:
Episodic
Semantic
Procedural

Exam questions format:

Outline two criticisms of research into different types of memory. [4 marks]

Topic 2: Structure of memory

Structures: This unit explores the structure of memory. Students will be learning about the multi-store model of memory. The strengths and weaknesses of the model as well as research support for the MSM of memory. Murdock's serial position study: in this study the serial position of an item such as words was investigated. It was concluded that the position of a word determines the likelihood of its recall. For example words at the end and start of a list are more likely to be remembered than words in the middle of a list.

Exam questions format:

Describe and evaluate Murdock serial position curve study [9 marks]

Topic 3:

Memory as an active process:

- Bartlett's War of ghost study:
- A memory study that explored how memory is an active process and how culture can influence our recall of events.
- This helped the development of reconstructive memory theory

Exam questions format:

Outline two criticism of the theory of reconstructive memory. [4 marks]

Topic 4: Accuracy of memory:

- In this topic, students will understand the reasons why we forget.
- Starting with the interference theory and research of McGoch and McDonald, students will understand that the more similar information is the more likely to be forgotten because it interfered with other similar information.
- Next context will be explored and the research of Godden and Baddeley will be studied. Students will understand that when learning information in one environment it will help the recall of the same information.
- Last factor that will be explored is false memories. Students will learn the difference between real and false memories and they will familiarise themselves with Loftus and Pickrell lost in the mall study.

GCSE PSYCHOLOGY
Learning Journey
UNIT 2 – RESEARCH METHODS
TOPICS 1-5

Topic 1:
Hypotheses and Variables

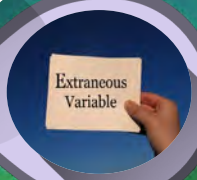
- Aim – a general statement explaining the purpose of the study.
- Hypothesis – a clear precise testable statement
- Alternative hypothesis – statement of relationship between variables.
- Null hypothesis – statement of no relationship between variables.
- Variables – IV/DV

Exam questions format:

Write a suitable hypothesis for this experiment.

Topic 2:
Extraneous Variables

- Unwanted variable that could affect the DV.
- Research procedures – Instructions to participants.
- Standardise procedures.
- Randomisation.
- Quantitative data – information that can be counted usually in form of numbers.
- Qualitative data – information expressed in words



Exam questions format:

What is randomisation?

Topic 3:
Types of Experiment

- Laboratory experiments are high in control over what happens.
- Field Experiments take place in a natural setting IV manipulated by the experimenter.
- Natural experiments take place in field or lab, IV is not changed by the experimenter it varies naturally.

Exam questions format:

Write a suitable experiment for this hypothesis.

Topic 4:
Experimental Designs

- Independent groups – different groups of participants for each condition.
- Repeated measures – all participants take part in both conditions.
- Matched pairs – participants are tested on variables relevant to the study and then matched and one person from each pair completes one condition.

Exam questions format:

What experimental design is shown above?

Topic 5:
Sampling Methods

- Sample – the small group of people who represent the target population and who are studied
- Random - each person has equal chance of being selected,
- Opportunity – selecting people available at time e.g. who is present in the shopping mall.
- Systematic - selecting every nth person from a list of target population
- Stratified – selecting participants from sub groups.

Exam questions format:

Read the item and then answer the questions that follow.

GCSE PSYCHOLOGY
Learning Journey
UNIT 2 – RESEARCH METHODS
TOPICS 6-10

Topic 6:

Ethics

- Informed consent – participants should be told of the purpose of the research and that they can leave at anytime
- Deception – participants should not be lied to or misled about aims.
- Privacy – participants have the right to control information about themselves.
- Confidentiality: Personal data must be protected and respected.

Exam questions format:

State what ethical problems may arise from the study.

Topic 7:

Interviews and Questionnaires

- Structured interview – A list of questions are read out and answered.
- Unstructured interview – Looks like a conversation there is a topic and few questions to start of the interview.
- Semi-structured interview – a number of questions have been decided in advance but the interviewer will ask follow up questions on the spot.
- Questionnaire – open and closed.

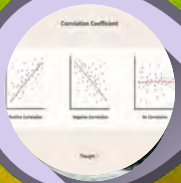
Exam questions format:

What type of interview is shown in item A?

Topic 8:

Observation studies and Correlations

- Natural – record behaviour where it normally occurs, or
- Controlled – researcher manipulates aspects of the environment.
- Covert – participants not aware behaviour is being recorded.
- Correlations – show a relationship between two variables. Shows link or association but NOT cause and effect.



Exam questions format:

Identify the type of correlation the teacher found. Shade one box only.

Topic 9:

Reliability and Validity

- Reliability – a measure of consistency.
- Validity – relates to whether a result is a true reflection of real world behaviour.

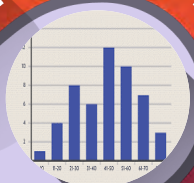
Exam questions format:

Describe what we mean by the term reliability..

Topic 10:

Descriptive stats Interpretation and display of quantitative data

- Range – spread of data. Arrange in order and subtract lowest from highest score.
- Mean – mathematical average.
- Add up all scores and divide by the number of scores.
- Median – middle value when data is put in order from lowest to highest.
- Mode – most common score
- Frequency data/ frequency tables/ histogram/ bar chat/ normal distribution.



Exam questions format:

The range for Condition A is 6. Calculate the range for Condition B. Show your workings.

GCSE PSYCHOLOGY
Learning Journey
UNIT 3 – Development

Topic 1
Early brain development

In this topic students will explore the basic knowledge of brain development, from simple neural structures in the womb, of brain stem , thalamus, cerebellum and cortex.
This topic will explore the relationship between nature and nurture when influencing the growing development.

Exam questions format:

With reference to at least one example outline how nature and nurture may affect the development of the growing brain.

Topic 2:
Piaget's theory

Piaget's theory of cognitive development includes concepts of assimilation and accommodation. He developed a four stage model to explain how children develop from sensorimotor stage (0-2), pre-operational stage (2-7), concreate operational stage (7-11) and lastly formal operational stage (11+).
Piaget conducted studies to test the theories of egocentrism and conservation.

His methods of investigation have been criticised thus the development of new methods of investigating egocentricity such as Hughes 'policeman doll' study and 'naughty teddy study' of McGarrigle and Donaldson have been developed.

His theory has been applied to real world setting for example in the education system.

Topic 3:
Dweck mindset theory

- **In this topic students will learn the difference between a fixed and growth mindset. How to deal with failure and learn about the role of praise in delivering good work.**
- **Students will explore the different learning styles available: verbalisers, visualisers and kinaesthetic learners.**
- **Willingham's learning theory will be explored and the reasons why he criticises the learning style approach.**

Exam questions format:

Willingham has criticised the theory of learning styles. Briefly explain his criticism [3 marks]

Exam questions format: Describe and evaluate Piaget's theory of cognitive development [9 marks]

GCSE PSYCHOLOGY
Learning Journey
UNIT 4 – Perception

Topic 1
Sensation and Perception

- What is the difference between a sensation and perception?
- How do different theories of perception explain the difference?

Exam questions format:

Use the picture above to explain the difference between sensation and perception. [3 marks]

Topic 2: Visual illusions

- Introduction to some visual illusions such as the ponzo illusion, muller-lyer illusion, Rubin's vase and the Ames room.
- What is the difference between binocular and monocular depth cue?
- How do our eyes perceive depth with binocular depth cues and monocular depth cues?
- Explanations of visual illusions. Looking at the difference between misinterpreted depth cues and ambiguity.

Topic 3: Theories of perception

- Is perception an innate or learned skill?
- Exploring Gibson's direct theory of perception.
- Exploring Gregory's constructivist theory of perception.

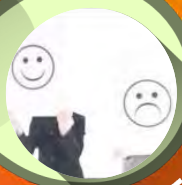
Exam questions format:

Describe and evaluate Gibson's direct theory of perception [9 marks]

Exam questions format:

Outline and explain what the ambiguous visual illusions Rubin's vase and Necker cube tell us about perception [4 marks]

Topic 4: Factors affecting perception:



- How does culture, emotion, motivation and expectation affect perception?
- Culture – Social wold we live in affect our senses puck up
- Emotion- The tendency for our brain to notice exciting thing and block threatening things.
- Motivation- Wanting increases its attractiveness.
- Expectation- Belfies based on past experiences can affect how much we attend to things.

Exam questions format:

Describe and evaluate Gilchrist and Nesberg's study into the effect of motivation on perceptual set. In your answer include the method used , the results obtained and the conclusions drawn as well as criticism of the study. [9 marks]

Year 10 Spanish Learning Journey

Module 1 — ¡Diviértete!
- Talking about life online
- Talking about sports and free-time activities
- Arranging to go out
- Saying what you did at the weekend
- Talking about days that went wrong

Module 2 — Viajes
- Discussing travel plans
- Talking about festivals in the Spanish-speaking world
- Saying what you did on holiday
- Describing where you stayed
- Talking about holidays using different tenses

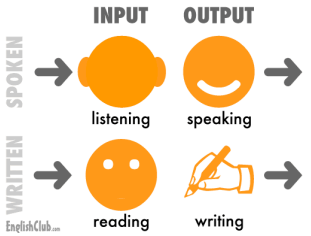
Themes

Theme 1: People and lifestyle
Theme 2: Popular culture
Theme 3: Communication and the world around us

You will be able to...
- **understand and express ideas in spoken and written Spanish**
- **develop transferable language skills in listening, speaking, reading, translation and writing**
- **develop a core of grammatical knowledge**
- **deepen your understanding of other cultures**
- **open up future career paths**
- **prepare yourself for future holidays in Spanish-speaking countries**

Mid-year Exams
Listening, Reading and Writing

Module 3— Mi gente, mi mundo
- Describing people
- Talking about who you admire
- Talking about friendships and relationships
- Talking about your identity and what matters to you
- Talking about problems and giving advice



Module 4— Mi estilo de vida
- Typical foods in Spanish-speaking countries
- Describing healthy daily routines
- Talking about mealtimes and food trends
- Comparing old and new habits
- Talking about illnesses and injuries
- Future plans for health and wellbeing.

End of Year Exams
Listening, Reading, Writing

Year 11