

#### TRINITY CATHOLIC HIGH SCHOOL | 2023 – 2024

# YEAR 12 LEARNING JOURNEYS

Our 'Learning Journeys' provide an outline, for all of our stakeholders, of the diverse range of knowledge rich and challenging subject topics that students can enjoy during their first year at Trinity Catholic High School. We developed these 'journeys' to make explicit the range of academic opportunities on offer for our students to grow, develop and learn. We want our students to develop their academicskills and experiences to ultimately lead successful and fulfilling adult lives, as well as being able to realise their dreams and ambitions.



Learning journeys are important documents that demonstrate to students and parents the units of study that students will undertake during Year 10 – these documents have been given to students and are visible in exercise books. We feel it is vitally important for students to know what they are studying; learning journeys foster discussions in lessons as to 'why' these topics are being taught and furthermore, these documents allow students to see how units of study overlap not only within the subject domain but also across the curriculum. We encourage parents to look at these documents with their children so they too can visualise the learning journey that we will be taking students on.

Learning is their journey. Let them navigate. Push them to explore. Watch them discover. Encourage their questions. Allow them to struggle. Support their thinking.

# FINE ART LEARNING JOURNEY

## FOOD FOR THOUGHT

FOUNDATION IN THE FORMAL ELEMENT THROUGH THE DISCIPLINES OF PAINTING AND DRAWING, PRINTMAKING, SCULPTURES AND LENS BASED IMAGE MAKING. INVESTIGATE THE THEME OF FOOD IN ART -- CRITICAL THINKING RESPONDING TO ARTISTS

RECORD EXPERIENCES AND OBSERVATIONS RELEVANT TO INTENTIONS - DEVELOPING OWN IDEA -- REVIEWING AND REFINING WORK LEADING TOWARDS A MEANINGFUL AND PERSONAL FINAL OUTCOME

COURSEWORK 60%

EXAM HO%

## PERSONAL INVESTIGATION

FULLY INDEPENDENT PROJECT FOLLOWING STUDENTS OWN IDEAS AND CONTENT, LINKED TO FUTURE ASPIRATIONS/-STUDIES – BUILDING, DEVELOPING AND STRENGTHENING SKILLS AND TECHNIQUES – ONE TO ONE TUTORIALS TO GUIDE THE STUDENTS TOWARDS A FINAL OUTCOME

## EXAM PROJECT

EXTERNALLY SET PROJECT TITLE FROM EDEXCEL FOLLOWING THE SAME FORMAT OF THE PERSONAL INVESTIGATION. COMPLETED WITH A 15 HOUR EXAM CREATING A FINAL OUTCOME.



Biology is the study of complicated things that have the appearance of having been designed with a purpose.

# - Year 12 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







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#### Data representation (

How computers represent numbers (including negative and fractional numbers) and images using binary. The binary, decimal and hexadecimal number systems. Binary arithmetic. Units of information. Error checking.

#### Communications Communication methods.

Communication basics.

#### Computer systems

Hardware and software. Classification of programming languages. Types of program translator. Logic gates. Boolean algebra. Internal hardware components of a computer. The stored program concept. Structure and role of the processor. Assembly language programming. External hardware devices.

#### Networks

Networking (topologies, types of networking, wireless networking). The Internet (how it works, security) TCP/IP (application layer protocols, IP address structure, subnet masking, IP standards, public and private IP addresses, DHCP, NAT, port forwarding, client-server model, thinand thick-client computing

# Further data representation

Representing text and sound using binary. Data compression. Data encryption.

#### Data Structures

The concept of a data structure. Stacks. Queues.

#### A Level Assessment

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There are two exam papers sat at the end of Year 13, each marked out of 100 and is worth 40% of the A Level. Paper 1 is an on-screen exam and assesses the topics related to programming and algorithms; Paper 2 assesses the more theoretical topics e.g. data representation, computer systems, networks and databases. The NEA is worth 20% of the A Level, students complete a programming project of their own choice.

# A Level Computer Science: Year 12 Learning Journey



#### Programming

Inputs and outputs. Creating and using variables. Selection and iteration programming structures. String handling. Arrays/lists. Records. Random numbers. Subroutines.

# Further programming

Regular expressions. Objectoriented programming. Recursion. Text files. Programming exam preparation.

#### Databases

Entity relationship modelling. Relational databases. Database design and normalisation. Structured Query Language (SQL). Client-server databases.

#### Revision

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

#### NEA

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Students start preparing for their NEA.



# DIGITAL MEDIA DEARN 12 LEARNING JOURNEY



Unit 21/3 Planning and Creating a Media

#### product

An introductory unit which teaches students how to create a digital media product..



# TERM IB

NOV-DEC

Unit 21/3 Planning and Creating a Media prod-

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An introductory unit which teaches students how to create a digital media product..



# TERM 2A

## Unit 2 Pre-production and Planning

An exam unit which requires students to respond to a range of questions of verying length. The focus of the examis practical digital media production.



# TERM 3A

## Unit 2 Pre-production and Planning

An exam unit which requires students to respond to a range of questions of verying length. The focus of the examis practical digital media production.



# TERM 2B FEB-APR

## Unit 2 Pre-production and Planning

An exam unit which requires students to respond to a range of questions of verying length. The focus of the examis practical digital media production.



# TERM 3B

Unit 1 -Media Products and

#### Audience

An exam unit which requires students to learn how key media concepts relate to a number of specific case study texts.



# - Year 12 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.



# **KS5 LEARNING JOURNEY YEAR 12**

# **English Language and Literature**



Two key things about English in Year 12:

1.) You will learn that stylistics is actually very empowering – you can select areas that interest you and you will get better at noticing 'patterns' in texts.

2.) Much of what you will study this year will centre on how a story is told – Paper 1 actually has a title: 'Telling Stories'.

NEA: in the last few weeks we will focus on the investigation and explore choices

Poetic Voice: In this unit students focus most especially on how Browning has

constructed the 'voice' within each of his

important

poems



few weeks of the year, students will

return to the Critical Anthology and

start to select texts for their NEA

You will learn that there are **multiple** ways of reading a text
 Your study will centre around one main **genre**, namely 'Tragedy', although we will dip into other genres such as the Pastoral and Comedy

# **A LEVEL FILM STUDIES YEAR 12** LEARNING JOURNEY

# TERM IA SEP-OCT

### **Induction Unit**

An introductory unit which teaches the key concepts and ideas related to this course. This includes, genre, narrative, areas of meaning and how the key elements are used in film to create meaning.



# TERM IB NOV-DEC

#### **2A Global Film**

The first exam unit requires you to study two foreign language films with a focus on the corea areas. There is no specialist study area for this unit.



# TERM 2 JAN-FEB

#### **2b Documentary**

An inin-depth look at documentary film as seen through the study of Asif Kapadia's heart-breaking bopic of the late singer/songwriter Amy Winehouse's life and tragic death.



# TERM 3A

## **Revision Unit**

An revision unit which covers all of the Year 12 content in preparation for the end-ofyear mock exam based on a real component 2 paper.



# TERM 2B FEB-APR

## 2C Silent Cinema/2d Experimental Film

A study of silent cinema through the lens of a critical debate - expressive vs realist film. In this unit we study the short films of Buster Keaton.



# TERM 3B

# **NEA Coursework**

A chance to put what you have unit requires you to make a short film of your own.



# FOOD LEARNING JOURNEY LEVEL 3 CERTIFICATE IN FOOD SCIENCE AND NUTRITION







# Core Pure 1

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## A Level Further Mathematics: Year 12 Learning Journey

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#### Complex Numbers

Addition and subtraction of complex numbers, complex conjugate, quadratic, cubic and quartic equations.

#### Series

Sum of the first n natural numbers, sum of the first n squared natural numbers, sum of the first n cubed natural numbers

#### Matrices

Addition, subtraction and multiplication of matrices. Finding the inverse of a 2x2 matrix and a 3x3 matrix, calculator methods and solving systems of equations.

#### Proof by Induction

Using proof by induction to prove sums of series, divisibility rules and generalised matrix multiplication.

#### Volumes of revolution

Volume of revolution around the yaxis, volume of revolution around the x-axis.

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3	$a_{31}$	a <sub>32</sub>		a37
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 $a_{m2}$ 

logers Natural

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Real

#### Argand diagrams

Complex

Modulus-argument form of a complex number (polar form), multiplication and division, loci and regions.

#### Roots of polynomials

Relationships between roots and the coefficients of quadratic, cubic and quartic equations. Linear transformation of roots.

#### Linear Transformations

Geometrical interpretation of a multiplying a position vector/point by a matrix, linear transformation as a matrix, reflection, rotation, enlargement, scaling, points of invariance.

#### Vectors

Vector equation of a lines and plane, scalar product, scalar product form of a plane, angles between lines and planes, intersection points between lines and planes.

#### Revision

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Exam questions and problem solving.

# Decision 1

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# A Level Further Mathematics: Year 12 Learning Journey

#### Algorithms

Flow charts, bin paċking, bubble sort, quick sort, order of an algorithm, time complex analysis.

#### Algorithms on graphs

Minimum spanning trees, Prim's algorithm, Kruskal's algorithm, Dijkstra's shortest path algorithm, Floyd's algorithm.

#### **Travelling Salesman**

Classical problem, minimum spanning tree-upper bound, minimum spanning tree lower bound, nearest neighbour – upper bound.

#### **Simplex Method**

Formulating linear programming problems, the simplex method, problems requiring integer solutions.

#### **Critical Path Analysis**

Modelling a project, dummy activities, early and late event times, critical activities, float of an activity, Gantt charts, resource histograms, scheduling diagrams.





#### Graphs and Networks

Basic concept of a graph and how they are used to represent networks, adjacency matrices, planarity algorithm, walks, cycles, paths

#### **Route Inspection**

Eulerian graphs, route inspection algorithm, networks with more than four nodes

#### Linear Programming

Linear programming problems, graphical methods, locating the optimal point, solutions with integer values.

#### Two-stage simplex method

The Big-M method.

#### Revision

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Exam questions covering all chapters.



# Year 12 A-Level History Learning Journey – Russia

This option provides for the study in depth of the coming and practice of communism in Russia. It explores concepts such as Marxism, communism, Leninism, and Stalinism, ideological control and dictatorship. It also enables students to consider issues of political authority, the power of individuals and the inter-relationship of governmental and economic and social change.

## Part One: The Russian Revolution and the Rise of Stalin, 1917-1929

#### Section 1: Dissent and Revolution, 1917

- The condition of Russia before the revolution of February/March 1917: the Tsar and political authority; the war effort; the economic and social state of Russia; discontent
- The February/March revolution of 1917: causes and course of revolution; issues of leadership and the Tsar's abdication; the establishment of Provisional Government and the Petrograd Soviet; the workings of the Dual authority
- Developments between the revolutions including: the return of Lenin; Lenin's ideology and the April Theses; the July Days; the Kornilov coup and the roles of both the Provisional Government and Trotsky; Lenin and the Central Committee of the Bolshevik Party
- The October/November 1917 revolution: causes, course and extent of revolution; leadership and the establishment of Bolshevik authority; Sovnarkom and decrees and actions to December



- The consolidation of the Communist dictatorship: the establishment of one-party control; the removal of the Constituent Assembly; the ending of involvement in the First World War
- The Civil War: causes and course; the role of Trotsky; the murder of the Tsar; the reasons for the Red victory; government and control in wartime
- Economic and social developments: state capitalism; social change; conditions in cities and countryside during the Civil War; war communism; the Red Terror: revolts of 1920–1921 including the Tambov revolt and Kronstadt rising; the NEP and its political and economic impact
- Foreign relations and attitudes of foreign powers: foreign intervention in the Civil War; Comintern; the Russo-Polish War; discussions leading to the Rapallo Treaty; official recognition and the repercussions of the 'Zinoviev letter'; Lenin's rule by 1924

#### Section 3: Stalin's rise to power, 1924-1929

- The power vacuum and power struggle: ideology and the nature of leadership; Lenin's testament; divisions and contenders for power: character, strengths and weaknesses of Stalin, Trotsky, Bukharin, Kamenev, Rykov, Tomsky and Zinoviev
- Ideological debates and issues in the leadership struggle: NEP and industrialisation; 'permanent revolution' versus 'Socialism in One Country'; how and why Stalin became party leader and the outcome for the other contenders
- Economic developments: reasons for and impact of the 'Great Turn'; the economic shift; the launch of the first Five Year Plan and the decision to collectivise
- Government, propaganda and the beginning of the Stalinist cult; Stalin's attitude to foreign powers: China; Germany and the Treaty of Berlin; changes in the Comintern















# Year 12

A Level Transition Work

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## Baseline Test

**Non-Calculator Paper** 

P1 Algebraic Expressions P1 Topic Test

P5 Straight Line Graphs P5 Topic Test

P3 Equations & Inequalities
P3 Topic Test

P6 Circles P6 Topic Test

P12 Differentiation P12 Topic Test

P13 Integration P13 Topic Test

P14 Exponentials & logarithms

P14 Topic Test

**S1 Data Collection** 

S2 Location & Spread S1 & S2 Topic Test

S3 Representations of Data S3 Topic Test

**S4** Correlation

S5 Probability S4 & S5 Topic Test

S6 Statistical Distributions

#### S7 Hypothesis Testing 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

# Mathematics

P2 Quadratics P2 Topic Test

> P4 Graphs & Transformations P4 Topic Test

> > P7 Algebraic Methods P7 Topic Test

P8 Binomial Expansion P8 Topic Test

P 10 Trigonometric Identities & Equations P10 Topic Test

> P11 Vectors P11 Topic Test

Mock Exam One Pure & Applied Calculator Paper

#### M8 Modelling in Mechanics

M9 Constant Acceleration M8 & M9 Topic Test

M10 Forces & Motion M10 Topic Test

WT Mocks

EOY Exam One 2 Hour Pure Paper One 1 Hour Applied Paper

M11 Variable Acceleration M11 Topic Test

2023-24

Algebraic Methods 2

# A LEVEL MEDIA STUDIES VEAR 12 LEARNING JOURNEY

# TERM IA

## Induction Unit/ 1A Music Vid-

#### eo

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 music videos.



# TERM 2A

## 1b Advertising/ 1b Film

A study of how the media targets and reachs audience as well as how specific media industries operate and are regulated.



# TERM B

# 1A Advertising/ Newspapers

A study of how specific media forms create effects and communicate meanings including representations of key social groups through media language.



TERM 28

# 1b Newspapers/ 1b Radio

A study of how the media targets and reachs audience as well as how specific media industries operate and are regulated.



# TERM 3A

## **Revision Unit**

An revision unit which covers all of the Year 12 content in preparation for the end-of year mock exam which is a full component 1 paper.



# TERM 3B

## **NEA Coursework**

A unit which requires students to create print media productions in one of two available briefs. This unit is worth 30% of the overall GCSE qualification.





# **A Level PE Learning Journey Physiological Factors**



**Analyse & Evaluate Performance – 15%** 

#### **Fitness and Training**

Learners will develop their knowledge and understanding of stamina, strength and flexibility. They will apply the principles of periodisation and training to help them plan a training programme to improve various aspects of fitness..Learners will develop an understanding of the impact of training on the body.

Physiology of Sport and Exercise 6th Edition. By W. Larry Kenney,

Essential of Human Anatomy and Physiology 10th Edition By Elanie



papers

of time and money and type and availability of transport shaped sport in he following time periods:

Pre-industrial Britain, Post Industrial Britain, 20th Century and 21st Century

#### **Final Preparation**

Practical moderation and revision for final exams

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## **A level PE Breakdown**

**Examination – 70% Practical Assessment – 15% Analyse & Evaluate Performance – 15%** 

#### **Ethics and Deviance in Sport**

Learners will have an understanding of: Drugs and doping in sport and legal VS illegal drugs and doping Why elite performers use illegal drugs/doping and recognise consequences/implications to society, sport and performers The strategies to stop the use of illegal drugs and doping Why violence occurs in sport and the implications on society, sport and performer, as well as, learning strategies that are used to prevent violence • Gambling in sport and about match fixing, bribery and illegal sports betting

#### **Global Sporting Events**

Learners will be able to demonstrate knowledge and understanding of the background and aims of the modern Modern Olympic Games, as well as the political exploitation of the Olympic Games including- Berlin 1936, Mexico City 1968, Munich 1972, Moscow 1980 and Los Angeles 1984.

Students will also be able to assess the positive and negative impacts on host countries including social impacts, social impacts, economic impacts and political impacts.



# **Trinity Catholic High School A Level Learning Journey – Psychological Factors Affecting Performance**

Leadership

Learners will know the characteristics of effective leaders, and

describe emergent and prescribed leaders. Understand about



**Stress Management to Optimise Performance** 

Have an understanding of the definition and causes of stress, know and

#### **Confidence and Self Efficacy**

To define the key terms related to confidence and selfefficacy and how these impact performance. participation and self-esteem. Understand Vealey's model of sports confidence and Bandura's theory of selfefficacy and explain these using practical examples.

EXAM

# **Memory Models**

Feedback

negative, KP and KR

Learners will know and understand the Mult store memory model (STSS, STM, LTM and selective attention). To demonstrate knowledge and understanding of the levels of processing approach to memory and relate both of these models to the learning of movement skills.

Learning Theories

Learners will develop an understanding of the three learning theories and discuss how these theories can be used to learn movement skills (operant conditioning, cognitive theory, bandura's social learning theory)

Transfer of Skills

Attribution

optimise sports performance

occur in practical performance and demonstrate knowledge and understanding on how to optimise

positive effects and limit negative effects of transfer.

#### **Classification of Skills**

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Year

Students will learn and justify placement of skills on the following continua: Difficulty (simple/complex), Environmental (open/closed), Pacing (self/externally paced), Muscular Involvement (gross/fine), Continuity (discrete/serial/continuous), Organisation (low/high).

#### Types and Methods of Practice

Learners will using knowledge of skill classification to determine methods used for skill learning to improve performance. This will include being able to describe and evaluate the following methods of practice: part, whole, whole-part-whole, progressive part, massed, distributed, fixed and varied practice.





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

Learners will be able to describe and explain Weiner's model including the dimensions of stability, locus of control and controllability. Develop an understanding of learned helplessness and mastery orientation to

# **A Level Physical Education** Breakdown

**Examination – 20%** Exam Length – 60 minutes Exam Paper – 60 marks (including a 10mark essay)

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# **Skill Acquisition – reading list**

Skill Acquisition in Sport: Research, Theory and Practice by Nicola J. Hodges and <u>A. Mark Williams</u> | 4 Nov 2019

Advancements in Mental Skills Training (ISSP Key Issues in Sport and Exercise Psychology) by Bertollo Maurizio | 23 Jul 2020

Nonlinear Pedagogy in Skill Acquisition: An Introduction - 31 Dec. 2021 by Jia Yi Chow (Author),

# Sports Psychology – reading list

Sport Psychology: A Complete Introduction (Teach Yourself) by John Perry | 14 Jan 2016

Applied Sport Psychology: A Cased-Based Approach: A Case-Based Approach (Wiley SportTexts) by Brian Hemmings and Tim Holder | 3 Aug 2009

Invincible Mind: The Sports Psychology Tricks You Can Use to Build an Unbeatable Body and Mind!: Mental Combat, Book 2 by Phil Pierce and Jay Prichard

The New Psychology of Sport and Exercise: The Social Identity Approach by S Alexander Haslam, Katrien Fransen, et al. | 31 Aug 2020

# PHOTOGRAPHY LEARNING JOURNEY

## TYPOLOGY

SKILLS BOOTCAMP - BASIC PHOTOSHOP EDITING - COMPOSITION -FRAMING - CRITICAL THINKING - RESPONDING TO ARTISTS

## SMOKE AND MIRRORS

SEMI INDEPENDENT PROJECT - RESPONDING TO ARTISTS -PHOTOSHOP EXCERCISES TO LEARN LAYERING AND ADVANCED EDITING. ADVANCED PHOTOSHOP EDITING - PRODUCING INDEPENDENT FINAL PIECES BASED UPON SHARED STARTING POINTS.

PREPARING YOU FOR ...

COURSEWORK 60%

XAM HO%

## PERSONAL INVESTIGATION

SHARED STARTING POINTS - FULLY INDEPENDENT PROJECT FOLLOWING STUDENTS OWN IDEAS AND CONTENT -ONE TO ONE TUTORIALS TO GUIDE THE STUDENT TOWARDS FINAL OUTCOMES.

## CRITICAL STUDY ESSAY

1000 WORD MINIMUM ESSAY CONTENT BASED ON SIMILAR THEMES AND ARTISTS TO THE PERSONAL INVESTIGATION



EXTERNALLY SET PROJECT TITLE FROM EDEXCEL EXAM BOARD. GALLERY VISIT TO SUPPORT ARTIST RESEARCH. FOLLOWING THE SAME FORMAT OF THE PERSONAL INVESTIGATION. ARTISTS/STARTING POINTS/INDEPENDENT INVESTIGATION OF YOUR OWN IDEAS.

COMPLETED WITH A PRINTED FINAL PIECE.



# - Year 12 Politics Learning Journey -

Intent: Your teacher is preparing you to understand the complexity of society and government, the various forces and factors which influence politics and society, and the debates which have shaped and continue to shape the world we live in You will gain a coherent knowledge and understanding of government and politics in the UK and the wider world.



# A level Psychology Learning Journey



# A LEVEL SOCIOLOGY LEARNING JOURNEY



# Year 12 Spanish Learning Journey





1. <u>Los valores tradicionales y modernos</u> Los cambios de la familia Actitudes hacia el matrimonio y el divorcio La influencia de la Iglesia Católica





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3. <u>La igualdad de los sexos</u> La mujer en el Mercado laboral El machismo y el feminismo, Los derechos de los gays y las personas transgénero

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4. <u>La influencia de los ídolos</u> Cantantes y músicos Estrellas de televisión y cine Modelos

MID YEAR EXAM





5. <u>La identidad regional en</u> <u>España</u> Tradiciones y costumbres La gastronomía Las lenguas









Antigone, 2012, National Theatre Antigone,2017, Actors of Dionysus

Antigone, 2019, Directed by Sophie Deraspe

Antigone, 2014, Splendid Productions Antigone, 1986, BBC Studios

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

