



**Clonturk**  
Community College

**5th Year  
SC Subject Topic List**

# ENGLISH HL & OL

## SEPTEMBER - OCTOBER

### MIDTERM BREAK

Introduction to Senior Cycle English

Language Genres – Language of Argument,  
Information, and Persuasion

Variety of Functional Writing Questions –  
Speeches, Debates, Travel Articles, Interviews, Letters

1st Poet (HL) and Studied Poems (OL)

Preparation and Completion of  
Studied Poetry Exam Essay/Questions

2nd Poet (HL) and Studied Poems (OL)

Preparation and Completion of  
Studied Poetry Exam Essay and Questions

## NOVEMBER - CHRISTMAS

### BREAK

Single Text – Shakespeare (HL)

Single Text (OL)

Revision and Preparation for  
Winter Assessments

# ENGLISH HL & OL

## JANUARY - EASTER BREAK

Single Text – Shakespeare (HL)

Single Text (OL)

Preparation and Completion of  
Single Text Exam Essay/Questions

Poet 3 (HL) and Studied Poetry (OL)

Preparation and Completion of  
Studied Poetry Exam Essay/Questions

Language Genres – Language of  
Argument, Information, and Persuasion

Variety of Functional Writing Questions  
– Speeches, Debates, Articles

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Poet 4 (HL) and Studied Poetry (OL)

Preparation and Completion of  
Studied Poetry Exam Essay/Questions

Language Genres – Language of  
Aesthetics and Narration

Composition –  
Introduction & Completion

Revision and Preparation for Summer Assessment

\*Topics covered subject to change  
\*\*Higher and Ordinary Level follow  
similar structures, the texts covered are different.

# MATHS HIGHER LEVEL

SEPTEMBER - OCTOBER  
**MIDTERM BREAK**

Algebra 1  
Indices & Logs

\*Topics covered subject to change

NOVEMBER - CHRISTMAS  
**BREAK**

Length, Area Volume & Nets  
Trigonometry 1

\*Topics covered subject to change

# MATHS HIGHER LEVEL

## JANUARY - EASTER BREAK

Relations & Functions  
Synthetic Geometry 1  
Trigonometry 2

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Co-ordinate Geometry of the Line  
Permutations, Combinations  
& Probability

\*Topics covered subject to change

# MATHS ORDINARY LEVEL

SEPTEMBER - OCTOBER

**MIDTERM BREAK**

Algebra

Numbers & Indices

\*Topics covered subject to change

NOVEMBER - CHRISTMAS

**BREAK**

Arithmetic

\*Topics covered subject to change

# MATHS ORDINARY LEVEL

## JANUARY - EASTER BREAK

Area & Volume  
Functions  
Trigonometry

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Coordinate Geometry  
Number Patterns  
Geometry

\*Topics covered subject to change

# IRISH

## SEPTEMBER - OCTOBER

### MIDTERM BREAK

Gramadach:

An chopail Is

An Aidiacht Shealbhach

Na huimhreacha Pearsanta

Ceapadóireacht

- AL: Aiste- Géarchéim na tithíochta in Éirinn
- GL: Pearsa a thaitníonn go mór liom

Scrúdú Cainte:

Mé Féin agus mo Mhuintir

Sraith Pictiúr

Dán 'Géibheann' le Caitlín Maude.

Prós 'Hurlamaboc'

## NOVEMBER - CHRISTMAS

### BREAK

An Aimsir Láithreach

Ceapadóireacht

HL: Aiste- 'Polaiteoirí an Lae inniu' nó

'Foréigean agus Coiriúlacht'

OL: Brú ar dhaoine óga

Sraith Pictiúr

Mo cheantar, fadhbanna sa cheantar, mo chairde.

Dán 'An t-earrach Thiar'

Prós 'An Gnáthrud



# IRISH

## JANUARY - EASTER BREAK

Gramadach:

An aimsir fháistineach,  
An réamhfhocal simplí  
An forainm réamhfhoclach

Dán 'An Spailpín Fánach'

Ceapadóireacht

AL: Aiste- 'Aiste: An comhshaol/ an timpeallacht -  
Tubaistí Nádúrtha

GL: Ceapadóireacht Post Samhraidh

Taisteal, laethanta saoire, an comhshaol  
agus an timpeallacht

Sraith Pictiúr

## EASTER BREAK - SUMMER BREAK

Gramadach:

An Chlaoninsint

Ceapadóireacht

AL: Aiste: Dochar na Meán Sóisialta

GL: Ríomhphost

Scrúdú Cainte:

Comhrá a dhéanamh faoi na topaicí: Daoine óga,  
tionchar na meán, fadhbanna sóisialta,  
grá, agus caidrimh.

Dán Mo Ghrá-sa

Dán- Colscaradh

Prós- Dís

*Sraith Pictiúr*

# ETHICAL EDUCATION

Strand 1 - Values: Assumptions & Actions

\*Topics covered subject to change

# FRENCH

## SEPTEMBER - OCTOBER

### MIDTERM BREAK

Talking About Myself & Others  
Descriptions: Physical & Personality  
Strategies for Learning vocabulary &  
The Written Production  
Complex Phrases  
Nouns, Adjectives, Irregular Adjectives,  
& Possessive Adjectives  
Developing Oral, Aural &  
Written Competencies  
Family & Housework  
Family Relationships  
Idiomatic Phrases for Expressing Opinions

\*Topics covered subject to change

## NOVEMBER - CHRISTMAS

### BREAK

Friendship  
Superlatives & Comparatives  
Speaking of Friendships &  
The Importance of Friendships  
Expressing & Defending Opinions  
on a Subject in Writing  
Strategies for Reading Comprehensions  
Expressing Feelings & Opinions  
Format of the Exam (Written & Reading)  
Writing the Journal & Diary Entry  
Developing Idiomatic Phrases  
Different Forms of Questions  
Developing Oral, Aural & Written Competencies

\*Topics covered subject to change

# FRENCH

## JANUARY - EASTER BREAK

Work, Media, New Technologies, Part Time Work, Money  
Speaking of Cinema, Press, Social Media, Faits-divers  
Strategies for Developing Written & Oral Answers  
Conjunctions  
Adverbs  
Revising Grammar - Adjectives, Present Tense, Comparatives, Superlatives  
Sport & Gender Divisions  
Expressing Opinions on Sport, Activities, Pastimes, Hobbies  
Understanding How to Organise Arguments on a Written Subject  
Jouer à... / Faire de...  
Depuis / Il y a ... fréquence  
Negatives (in Present & Compound Tenses)  
Developing Oral, Aural & Written Competencies  
New Technologies, Social Media, Portable Devices, Cyber Violence  
Discussing the Advantages & Disadvantages of Social Media & the Internet  
Use of Mobile Phones  
Cyber Violence  
Prepositions  
Work & Money  
Imperative Tense  
Revision of Present Tense  
My Area, House  
Past Tense: Passé Composé & Imperfect  
School: Subjects / Timetable / Typical Day / School Rules /  
Points System / School Exchanges / Plans for After School  
Revision Passé Composé & Imperfect  
Futur Proche

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Comparing Towns & Countryside Living  
Talking About Their Town  
Advantages & Disadvantages of  
Cities vs Countryside  
Expressing Opinions  
Problems in Urban Areas  
Talking about Solutions  
Conditional Tenses  
Modal Verbs  
Local Environment: Recycling /Pollution/  
How to Protect the Planet  
Present Participle

\*Topics covered subject to change

# SPANISH

## SEPTEMBER - OCTOBER

### MIDTERM BREAK

School  
Routine  
School Life  
Date and Time  
Present Tense  
Interrogative  
Adjectives  
Gustar and Others  
Oral: School  
Holidays  
Climate  
Climate Change  
Past Tense  
Oral: Travel  
ROLE PLAY 1

## NOVEMBER - CHRISTMAS

### BREAK

Family  
Pastimes  
Numbers and Dates  
Personal Description and Ser  
Ser and Estar  
Oral: Family  
ROLEPLAY 2

\*Topics covered subject to change

\*Topics covered subject to change

# SPANISH

## JANUARY - EASTER BREAK

House  
Area  
Urban and Rural Life  
Chores  
Conditional  
Adjectives  
Oral: My Area  
Technology  
Internet Use and Safety  
Negatives  
Future Tense  
Oral: Use of Technology

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Health  
Food  
Adverbs  
Perfect Past  
Oral: Healthy Life

\*Topics covered subject to change

# GERMAN

SEPTEMBER - OCTOBER  
MIDTERM BREAK

Add a little bit of body text

NOVEMBER - CHRISTMAS  
BREAK

Add a little bit of body text

# GERMAN

JANUARY - EASTER BREAK

Add a little bit of body text

EASTER BREAK - SUMMER  
BREAK

Add a little bit of body text



# ACCOUNTING

## 5TH YEAR

Final Accounts - Sole Trader (Ordinary Level)

Budgeting - Cash

Budgeting - Production

Control Accounts

Bank Reconciliation Statements

Depreciation & Revaluation

Interpretation of Accounts

Cash Flow Statement

\*Topics covered subject to change

# APPLIED MATHS

## SEPTEMBER - OCTOBER MIDTERM BREAK

Units, Vectors & Exact Values  
Uniform Acceleration  
Projectiles

\*Topics covered subject to change

## NOVEMBER - CHRISTMAS BREAK

Newton & Connected  
Work Power Energy

\*Topics covered subject to change

# APPLIED MATHS

## JANUARY - EASTER BREAK

Networks & Graphs  
Motion in Circle

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Optimal Paths

\*Topics covered subject to change

# ART

## 5th Year – Skill Expansion & Visual Studies

Practical Work: Projects in Mixed Media, Print, Ceramics, Digital Art

Visual Studies: In-depth study of one topic

is covered in three areas: (Covered over 5th & 6th Year )

Europe & the Wider World: Western Art History, From Romanesque to Modern.

One topic is selected and covered.

Ireland's Art & Global Connections:

Exploring Irish Art's Historical and Global Links.

Today's World: Art's Role in Social, Cultural, and Environmental Issues

\*Topics covered subject to change

# AGRICULTURAL SCIENCE

SEPTEMBER - OCTOBER

**MIDTERM BREAK**

Scientific Practices

Health and Safety

Introduction to Ag Science Project

/IIS & Environmental Impact of

Agriculture and Products

for Irish Markets

Soil Formation

Physical Characteristics of Soil

\*Topics covered subject to change

NOVEMBER - CHRISTMAS

**BREAK**

Chemical Characteristics of Soil

Biological Characteristics of Soil

Plant Physiology

\*Topics covered subject to change

# AGRICULTURAL SCIENCE

## JANUARY - EASTER BREAK

Plant Classification  
Soil Management  
Dairy Breeds, Nutrition, and Mgt.  
Milk Composition, Milk Production,  
and the Dairy Industry  
Animal Health and Disease  
Principles of Crop Production  
Animal Physiology

## EASTER BREAK - SUMMER BREAK

Animal Nutrition  
Conservation of Grass  
Beef

\*Topics covered subject to change  
\*\*IIS Work – Takes Place  
throughout 5th Year

\*Topics covered subject to change

# BIOLOGY

## SEPTEMBER - OCTOBER MIDTERM BREAK

Introduction to Year, Plan,  
Learning to Learn  
Scientific Method  
Living Things  
Food & Biomolecules  
Human Nutrition  
Cell Structure

\*Topics covered subject to change

## NOVEMBER - CHRISTMAS BREAK

Movement through Membranes  
Enzymes  
Cell Continuity

\*Topics covered subject to change

# BIOLOGY

## JANUARY - EASTER BREAK

Photosynthesis  
Cell Diversity  
Classification & Viruses  
Monera  
Fungi & Protists  
Homeostasis & Gas Exchange

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Musculoskeletal System

\*Topics covered subject to change



# BUSINESS

## SEPTEMBER - OCTOBER MIDTERM BREAK

People in Business  
Managing Conflict in Business & the  
Marketplace  
Enterprise

\*Topics covered subject to change

## NOVEMBER - CHRISTMAS BREAK

Introduction to Management  
Leading  
Motivating  
Communicating  
ICT & DATA Protection

\*Topics covered subject to change

# BUSINESS

## JANUARY - EASTER BREAK

Management Activities

Planning

Organising

Controlling

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Categories of Industry  
Types of Business Organisations  
Community Development

\*Topics covered subject to change

# CHEMISTRY

SEPTEMBER - OCTOBER

## MIDTERM BREAK

### **The Atom**

History of the Atom

Atomic Structure

Sub-atomic Particles

### **Arrangement of Electrons in the Atom**

Bohr's Theory

Atomic Absorption Spectrometry (AAS)

Energy Levels

Sublevels

Orbitals

### **The Periodic Table**

Atomic No. & Mass No.

Isotopes

Mass Spectrometry

Electron Configuration

\*Topics covered subject to change

NOVEMBER - CHRISTMAS

## BREAK

### **Chemical Bonding**

Ionic Bonding

Covalent Bonding

Transition Metals

Intermolecular Forces

### **Trends in the Periodic Table**

Atomic Radius

Ionisation Energy

Electronegativity

\*Topics covered subject to change

# CHEMISTRY

## JANUARY - EASTER BREAK

### **Radioactivity**

Types of Radiation  
Radioactive Decay  
Half-life

Uses of Radioisotopes

### **Test for Anions**

Identifying Ions

### **The Mole Concept**

Avogadro's Number  
Molar Mass

Empirical & Molecular Formulas

Stoichiometry

### **Acids & Bases**

Arrhenius & Bronsted-Lowry Definitions

Strong vs Weak Acids/Bases

pH Scale

### **Volumetric Analysis: Acids & Bases**

Titration Techniques

Calculations Involving Molarity & Concentration

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

### **Oxidation & Reduction**

Redox Reactions

Oxidation Numbers

Balancing Redox Equations

### **Volumetric Analysis: Redox**

Redox Titrations

Calculations Involving

Molarity & Concentration

### **pH Indicators**

Types of Indicators

Colour Changes

pH Range

\*Topics covered subject to change

# CLASSICAL STUDIES

SEPTEMBER - OCTOBER

## MIDTERM BREAK

Foundation Mythology  
Visual Sources  
Olympic Family Tree  
Iconography  
Myth Analysis  
Anthropology  
Etymology  
Examination of Original Texts.  
Comparison of Discrepancies  
Academic Writing  
Stoicism vs Epicureanism  
Platos 'Crito'  
Living Well According to Philosophical  
Schools of Thought  
Fate vs Free will.  
The underworld in ancient texts.

\*Topics covered subject to change

NOVEMBER - CHRISTMAS

## BREAK

Temple Architecture  
Architectural Terminology  
Visual Sources  
Temple of Vesta  
Heroes  
Myth in Modern Media

\*Topics covered subject to change

# CLASSICAL STUDIES

## JANUARY - EASTER BREAK

Evidence at Troy

Trojan War and the Iliad

Odyssey Books 1-11

Xenia

Divine Intervention

Visual Source Analysis

Odyssey Books 12-24

Magic and Prophecy

Analysis of Written Sources

Context of the Telling of the Odyssey

Exam Style Questions

Key Moments

Heroes on Trial

\*Topics covered subject to change

## EASTER BREAK - SUMMER

**BREAK**

Parthenon

Erechtheion

Horace

Odes and Epodes

Theme Tracking

Philosophy: School of

Thought Identification

Living Well According to Horace

Fate vs Free will in Horace

\*Topics covered subject to change

\*\*Higher and Ordinary Level follow similar structures, the texts covered are different.

# CONSTRUCTION STUDIES

## SEPTEMBER - OCTOBER MIDTERM BREAK

Site Selection, Design  
& Project Planning  
Site Preliminaries  
Structural Forms  
Building Materials  
Foundations

\*Topics covered subject to change

## NOVEMBER - CHRISTMAS BREAK

Foundations  
Floors & Radon  
Practical Work

\*Topics covered subject to change

# CONSTRUCTION STUDIES

## JANUARY - EASTER BREAK

Walls & Plastering  
Timber Frame Construction  
Roofs

Windows & Doors  
Insulation & Ventilation

Drawing (Full Vertical Section Passive  
Concrete Block/Timber Frame)

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

U Values  
Passive Design

\*Topics covered subject to change



# DCG

## SEPTEMBER - OCTOBER MIDTERM BREAK

Auxiliary Projection  
Isometric Drawing  
Axonometric Projection

\*Topics covered subject to change

## NOVEMBER - CHRISTMAS BREAK

Perspective Projection  
Solid Works

\*Topics covered subject to change

# DCG

## JANUARY - EASTER BREAK

Solids in Contact  
Conic Sections  
Intersecting Planes

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Oblique Plane

\*Topics covered subject to change

# ECONOMICS

## 5TH YEAR

Government Intervention in the Market  
Fiscal Policy  
The Market Economy (Supply & Demand)  
The Consumer (Elasticity)  
Monetary Policy  
The Financial Sector  
National Income  
Unemployment  
Economic Growth & Development

\*Topics covered subject to change

# GEOGRAPHY

## SEPTEMBER - OCTOBER MIDTERM BREAK

Structure of the Earth  
Plate Tectonics  
Folding and Faulting  
Earthquakes  
Volcanic Activity

\*Topics covered subject to change

## NOVEMBER - CHRISTMAS BREAK

Rocks and the Rock Cycle  
Weathering

\*Topics covered subject to change

# GEOGRAPHY

## JANUARY - EASTER BREAK

Karst Landscapes  
Mass Movement  
Rivers  
Sea/Coastal  
Glaciation

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

OS Maps & Aerial Photographs  
Regions

\*Topics covered subject to change

# POLITICS & SOCIETY

SEPTEMBER - OCTOBER

## MIDTERM BREAK

### Introduction to Politics & Society

Political Spectrum

Political Ideologies

Society

### Power & Decision-Making in Schools

Rules in School/Society

Role of Education in Society

How Rules Are Made

Participation & Power in

Decision-Making in Schools

Enforcement of Rules

Rules – Equality

Discrimination

\*Topics covered subject to change

NOVEMBER - CHRISTMAS

## BREAK

### Political Representation

Types of Government

Political Representation

Right to Participate in Democracy

Groups in Our Society

Social Stratification in Ireland

Representation Through Civil Society Bodies & Political Parties

Voting Patterns

Political Representation Through Government Institutions

The Oireachtas

The Executive: Taoiseach & Government

The Courts

Government in Northern Ireland

The Northern Ireland Assembly & Executive

European Union

European Parliament

Council of the European Union

European Commission

Electoral Systems & Issues of Representation

\*Topics covered subject to change

# POLITICS & SOCIETY

## JANUARY - EASTER BREAK

### **Policy Making Policies**

Decision-Makers & Influencers  
The Policy Making Process  
The Law-Making Process  
Primary & Secondary Legislation  
Citizen Participation  
in Decision-Making  
Citizen Voice in Irish Policy-Making

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

### **The Role of the Media Media**

Media Consumption:  
Patterns, Social Media & The News  
The Role of Media in Society  
The Power & Influence of the Media  
Media Stereotyping  
The Rights & Responsibilities of the  
Media in a Democracy  
Social Responsibility & Accountability  
Ownership & Control of the Media  
The Rise of Social Media & Citizen Journalism

\*Topics covered subject to change

\*\*List of Key Thinkers will be  
covered throughout the two-year course.

\*\*\*Titles/Topics for Citizen Project Record (CPR) are usually  
release January/February of 5th Year.

Students will be working on CPR between 5th and 6th Year.

# MUSIC

SEPTEMBER - OCTOBER

**MIDTERM BREAK**

Aural Skills

Irish Music - Harping Tradition

Musescore

(Score Set Up & Inputting)

Performance

\*Topics covered subject to change

NOVEMBER - CHRISTMAS

**BREAK**

Mozart Movement 1

Chord Structure & Progressions

Introduction to

Backing Chords & Bass Line

Irish Music - Dances, Collectors

& Harp Revision

Melody Writing A2 Phrases

Composing in 2/4, 4/3 & 4/4 Times

Performance

\*Topics covered subject to change



# MUSIC

## JANUARY - EASTER BREAK

Melody Writing  
Harmony  
The Beatles  
Irish Music

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Harmony  
Seachanges - Deane  
Irish Music

\*Topics covered subject to change

# HISTORY

SEPTEMBER - OCTOBER  
MIDTERM BREAK

Add a little bit of body text

NOVEMBER - CHRISTMAS  
BREAK

Add a little bit of body text

# HISTORY

## JANUARY - EASTER BREAK

Add a little bit of body text

## EASTER BREAK - SUMMER BREAK

Add a little bit of body text

# HOME ECONOMICS

SEPTEMBER - OCTOBER

**MIDTERM BREAK**

Energy

Proteins

Meat, Offal and Poultry

Fish

Eggs and Alternative Protein Foods

Milk and Milk Products

\*Topics covered subject to change

NOVEMBER - CHRISTMAS

**BREAK**

Commencement of Work on Food Studies

Journal Assignments (20% of LC Grade)

Carbohydrates

Cereals

Fruits, Vegetables and Pulses

\*Topics covered subject to change

# HOME ECONOMICS

## JANUARY - EASTER BREAK

Fats and Oils

Food Additives

Work on Food Studies

Journal Assignments

Vitamins Minerals

Dietary Related Diseases

Water

The Irish Diet and Food Industry

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Society and the Family

Marriage

Revision and Exam Questions

\*Topics covered subject to change

# PE

## SEPTEMBER - OCTOBER MIDTERM BREAK

### **Promoting Physical Activity**

Benefits of Physical

Activity Participation

Physical Activity Participation

### **Learning & Improving Skill & Technique**

Defining a Skilled Performance

Analysing Skill & Technique

Skill Acquisition

### **Physical & Psychological Demands of Performance**

Differentiate between HRF & PRF

Define Components of HRF & PRF

\*Topics covered subject to change

## NOVEMBER - CHRISTMAS BREAK

### **Physical & Psychological Demands of Performance**

Application & Assessment of HRF & PRF

Designing a Fitness Plan

### **Structures, Strategies, Roles & Conventions**

Safe Practice

\*Topics covered subject to change

# PE

## JANUARY - EASTER BREAK

### **Physical & Psychological Demands of Performance**

Psychological Preparation

Diet & Nutrition

Drugs & Sport

Best Practice for the  
Use of Supplements

### **Structures, Strategies, Roles & Conventions**

Structures, Strategies and/or  
Compositional Elements

Roles & Relationships

Rules, Rituals & Conventions

Role of Official

## EASTER BREAK - SUMMER BREAK

### **Physical & Psychological Demands of Performance**

Drugs & Sport

Anti-Doping Rules

Code of Ethics

### **Planning for Optimum Performance**

Planning for Optimum Performance

\*Topics covered subject to change

\*Topics covered subject to change

# PHYSICS

## SEPTEMBER - OCTOBER MIDTERM BREAK

Introduction to Physics  
Geometrical Optics  
Reflection - Spherical Mirrors  
Refraction and Snell's Law  
Lenses  
Wave Motion

\*Topics covered subject to change

## NOVEMBER - CHRISTMAS BREAK

Wave Nature of Light  
Vibrations and Sound  
Temperature

\*Topics covered subject to change



# PHYSICS

## JANUARY - EASTER BREAK

Heat

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Circular Motion

Static Electricity

Potential Difference and Capacitance

Current and Change

\*Topics covered subject to change

# COMPUTER SCIENCE

SEPTEMBER - OCTOBER

**MIDTERM BREAK**

User Centred Design  
Design Process  
Software Development  
and Management  
Analytics Abstraction  
Data Collection and  
Analysis Interpretation of Data  
Algorithms  
Working in a Team, Assigning  
Roles and Responsibilities  
Communication and Reporting  
Debugging

\*Topics covered subject to change

NOVEMBER - CHRISTMAS

**BREAK**

CPU  
Basic Electronics  
Operation System Layers  
Web Infrastructures  
Turing Machine  
The Internet  
8-bit ASCII  
Non Roman Character Sets  
Unicode

\*Topics covered subject to change

# COMPUTER SCIENCE

## JANUARY - EASTER BREAK

Functions  
Problem-Solving  
Logical Thinking  
Modelling  
Simulation Abstraction  
Algorithms  
Web Design  
User Centred Design

\*Topics covered subject to change

## EASTER BREAK - SUMMER BREAK

Systematic Process  
Problem Solving & Logical Thinking

\*Topics covered subject to change