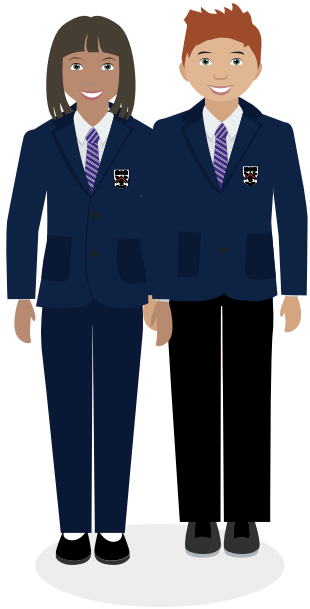




CHEL TENHAM
BOURN SIDE
SCHOOL



OUR STUDENT LEARNING JOURNEY

BY SUBJECT - 2023/24





What are our Curriculum Maps?

Cheltenham Bournside curriculum maps show the learning journey followed by our students during their time at Bournside. They are displayed in every classroom and department area in the school. These maps bring our curriculum 'alive' for both students and you, and in turn help our students improve their learning!

In this booklet you will be able to see where and when the learning takes place, and where topics are developed as our students progress through the school. The maps also show where different subjects teach similar topics as part of their course, and therefore where students can connect their learning between subjects. As research suggests, if students understand what they are learning and why; as well as how the learning fits into the 'bigger picture', they learn more effectively.

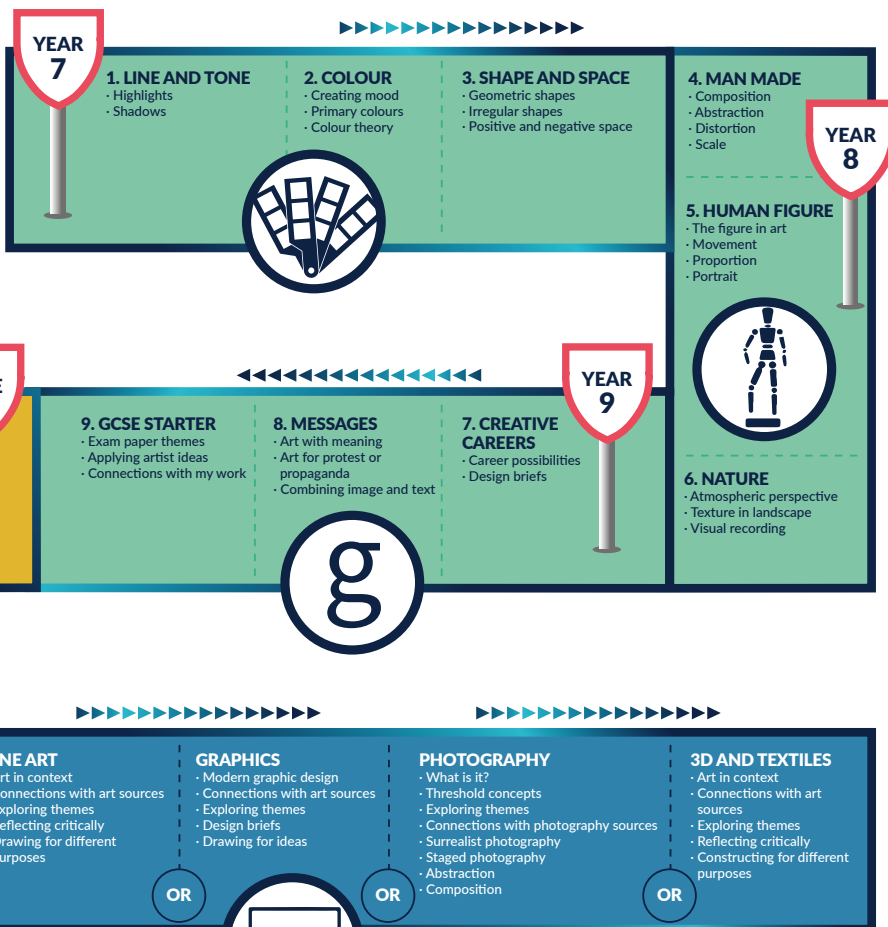
The curriculum map displays the topic of learning and key themes students will be learning during each unit. You will see that some subjects are just for a Key Stage 4 and 5 or just Key Stage 5 journey; this is because these subjects are only offered at GCSE and/or A Level.

We hope you enjoy exploring what your child is learning at Cheltenham Bournside School and hearing all about it when they return home!

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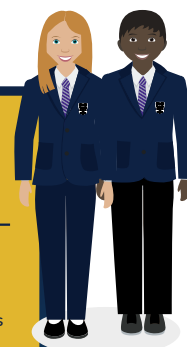
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ART AND DESIGN





ASTRONOMY



GCSE

PLANET EARTH

- Shape and structure of the earth
- Latitude and Longitude
- Divisions of the Earth
- Skyglow colouration

THE LUNAR DISC

- Shape and appearance of the moon
- Principal lunar observations
- Lunar orbital period
- Synchronicity and lunar libration

THE EARTH-MOON-SUN SYSTEM

- Relative size and distances
- Euclid to Aristotle
- Tidal effects of the Sun and Moon
- Axis progression and archaeoastronomy
- Eclipses

TIME AND THE EARTH-MOON-SUN CYCLES

- Solstices and equinoxes
- Sidereal and synodic days
- Mean Solar Time and Apparent Solar Time
- Time Zones and the Equation of Time
- Horological Method

SOLAR SYSTEM OBSERVATION

- Safe solar observation
- Ecliptic path
- Meteor showers and predicting asteroids
- Relative motion of planets

CELESTIAL OBSERVATION

- Identifying stellar phenomena (naked-eye)
- Identifying primary constellations (naked-eye)
- Star charts and planispheres
- The celestial sphere
- Right ascension and declination
- Ancient and modern stellar navigation

EARLY MODELS OF THE SOLAR SYSTEM

- Agriculture and astronomy
- Ancient astronomers
- Geocentric models of the solar system
- The astronomical unit

PLANETARY MOTION AND GRAVITY

- Brahe and the heliocentric model
- Gravity and the stable elliptical orbit
- Apogee and perigee
- Kepler's laws

EXPLORING THE MOON

- Sides of the moon and its divisions
- The Giant Impact hypothesis and other moon origin theories

SOLAR ASTRONOMY

- Safely observing the Sun
- Structure of the sun
- How and why the sun moves and shines
- Cosmic radiation and aurorae

EXPLORING THE SOLAR SYSTEM

- Finding planets and celestial bodies
- Kuiper belt and the Oort cloud
- Formation of the solar system
- Lenses and magnification
- Refracting vs. reflecting telescopes
- Space missions of the 20th and 21st century

FORMATION OF PLANETARY SYSTEMS

- Explaining Saturn's rings
- Formation of gas giants
- Aliens and the Drake equation

EXPLORING STARLIGHT

- Determining distance
- Radio telescopes
- Arcseconds, parsecs and lightyears

STELLAR EVOLUTION

- Nebulae and young stars
- Main sequence stars
- White dwarfs
- Black holes

OUR PLACE IN THE GALAXY

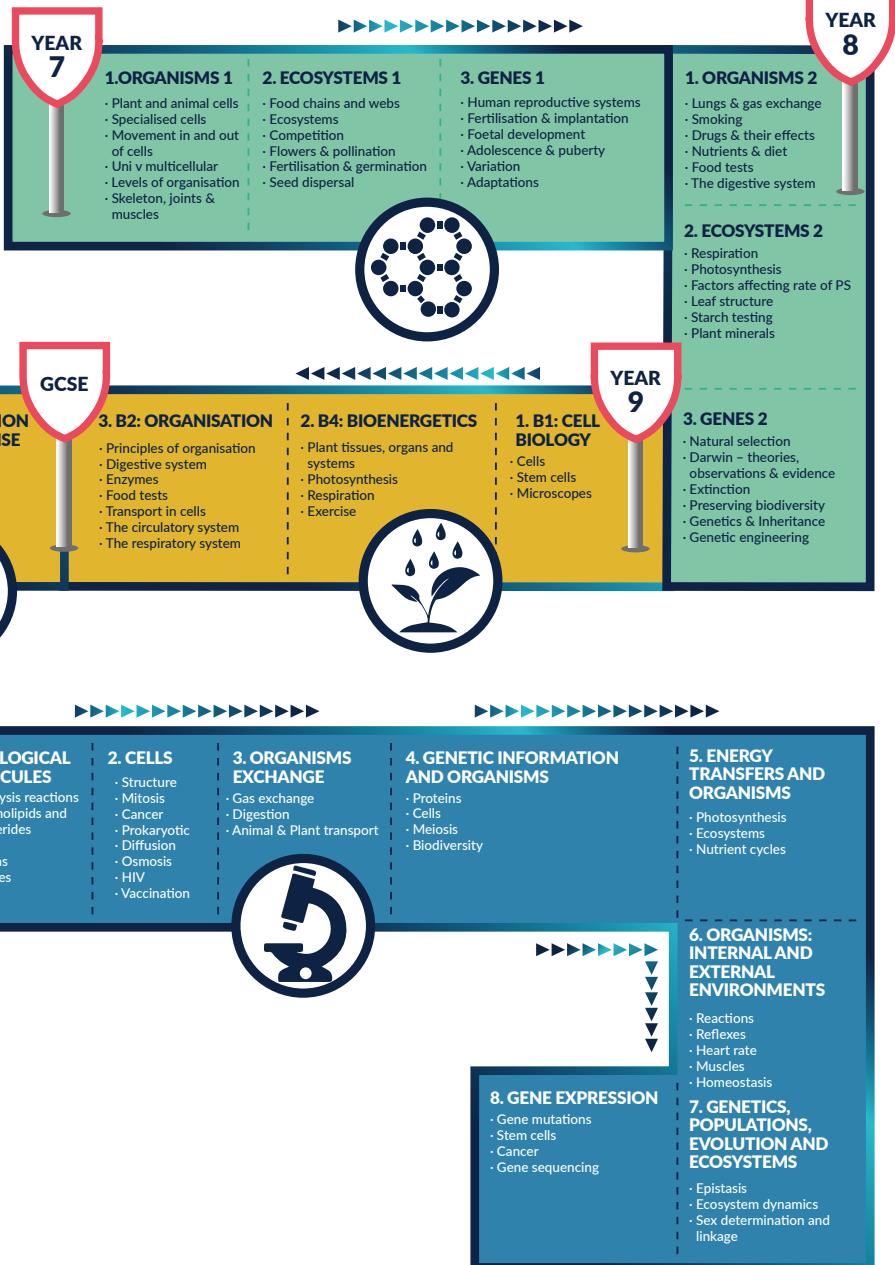
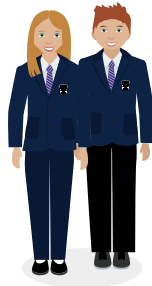
- Shape and structure of the Milky Way
- Our local group

COSMOLOGY

- Redshift and the Hubble Constant
- Evidence for the Big Bang

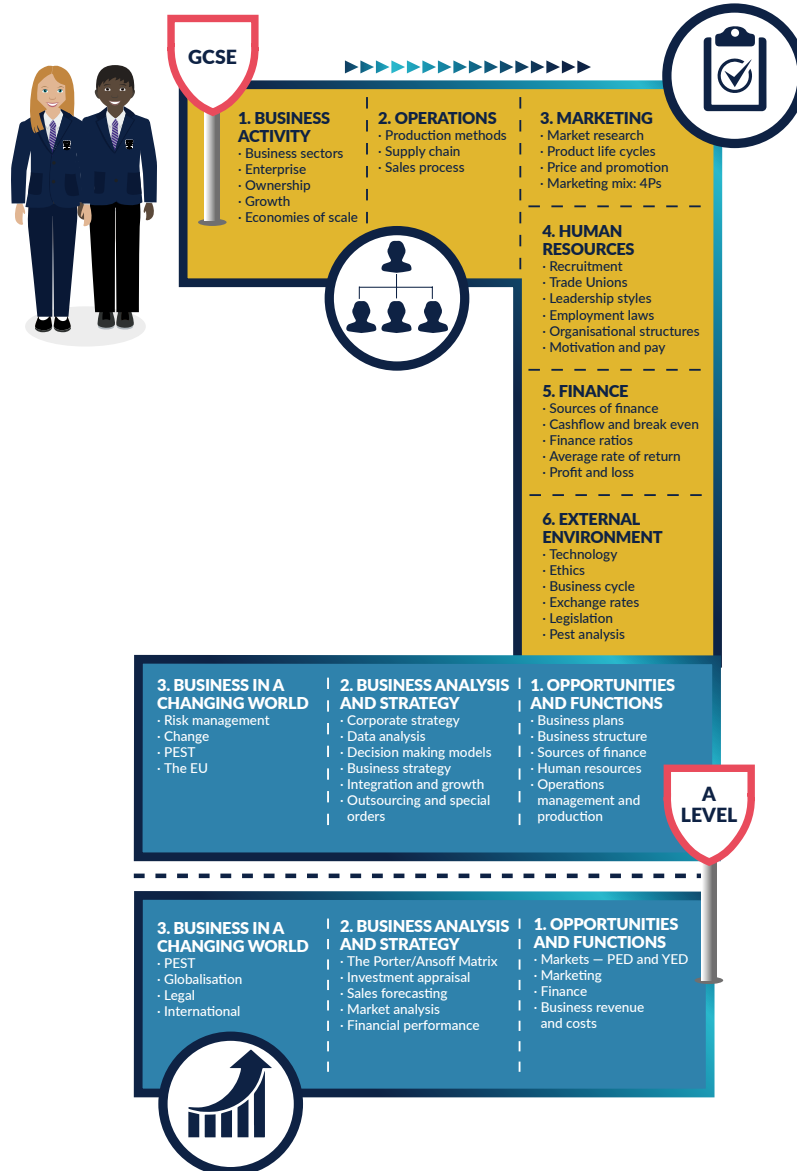


BIOLOGY





BUSINESS



CHEMISTRY



YEAR 7

- 1. MATTER**
- States of matter
 - Diffusion
 - Pure substances
 - Mixtures and solutions

- 2. EARTH**
- Structure of the Earth
 - Rock cycle
 - Solar system

- 3. REACTIONS**
- Chemical reactions
 - Acids and alkalis
 - Neutralisation
 - Metals and their reactions

- 4. METALS**
- Properties
 - Catalysts
 - Rust

- 5. PERIODIC TABLE**
- Atoms and elements
 - Reactions
 - Equations

- 6. COMBUSTION**
- Fuels
 - Fire triangle
 - Mass conservation
 - Fossil fuels

YEAR 8

GCSE

- 6. ENERGY, AND CATALYSTS**
- Endothermic and exothermic reactions
 - Energy profile diagrams
 - Bond energy calculations

- 5. PERIODIC TABLE**
- History of the periodic table
 - Using the periodic table
 - Trends in Groups 1, 0 and 7

- 4. STRUCTURE AND BONDING**
- Ionic bonding
 - Covalent bonding
 - Metallic bonding
 - Properties of substances

- 3. EARTH AND ATMOSPHERE**
- History of the Earth's atmosphere
 - Climate change
 - Pollution

- 2. RATES**
- Collision theory
 - Factors affecting rate of reaction

- 1. ATOMIC STRUCTURE**
- Separating mixtures
 - History of the atom
 - Structure of the atom

YEAR 9

- 7. CHEMICAL CALCULATIONS**
- Relative formula mass
 - Moles
 - Concentration

- 8. CHEMICAL CHANGES OF METALS AND ACIDS**
- Reactivity series
 - Displacement reactions
 - Redox
 - Acids and their reactions

- 9. ELECTROLYSIS**
- Products of Electrolysis
 - Extraction of Aluminium

- 10. EQUILIBRIUM**
- Reversible reactions
 - Equilibrium

- 11. ORGANIC CHEMISTRY**
- Hydrocarbons
 - Fractional distillation
 - Complete and incomplete combustion
 - Cracking

- 12. CHEMICAL ANALYSIS**
- Formulations
 - Chromatography
 - Testing for gases

- 12. USES OF RESOURCES**
- Materials chemistry
 - Water
 - Reduce, reuse, recycle

- 1. PHYSICAL CHEMISTRY 1**
- Atomic structure
 - Amount of substance
 - Structure and bonding
 - Energetics
 - Kinetics
 - Equilibria
 - Redox

A LEVEL

- 2. ORGANIC CHEMISTRY 1**
- Nomenclature
 - Alkanes
 - Halogenalkanes
 - Alkenes
 - Alcohols
 - Organic Analysis

- 6. INORGANIC CHEMISTRY 2**
- Periodicity
 - Transition metals
 - Reactions of inorganic compounds in solution

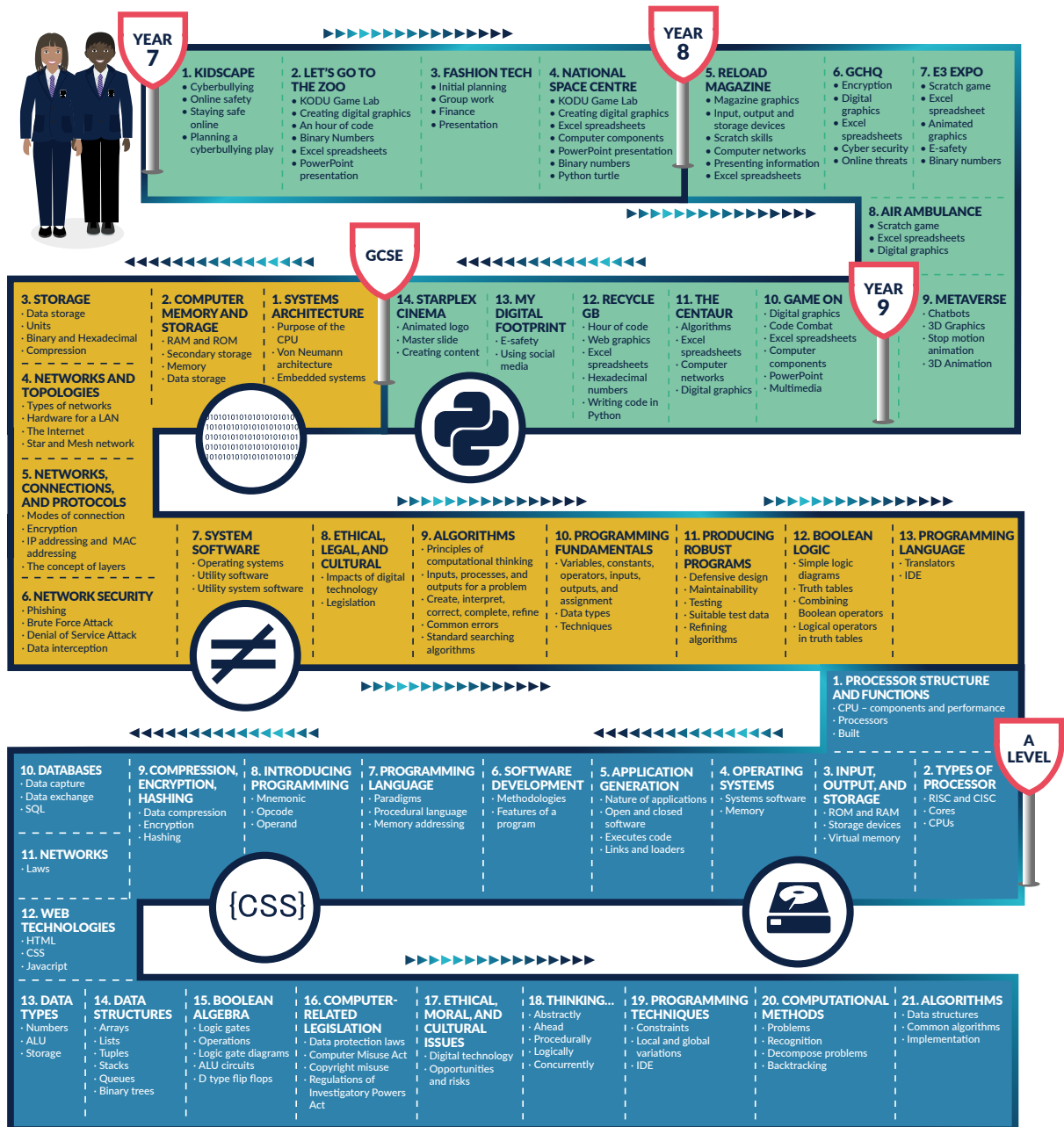
- 5. ORGANIC CHEMISTRY 2**
- Isomerism
 - Carbonyl chemistry
 - Aromatic chemistry
 - Amines
 - Polymerisation
 - DNA
 - Organic synthesis
 - NMR
 - Chromatography

- 4. PHYSICAL CHEMISTRY 2**
- Thermodynamics
 - Kinetics
 - Kp
 - Electrochemical cells
 - Acids, bases and buffers

- 3. INORGANIC CHEMISTRY 1**
- Periodicity
 - Group 2
 - Group 7



COMPUTER SCIENCE





INFORMATION TECHNOLOGY

CREATIVE iMEDIA

GCSE

Creative iMedia in the media industry

1. THE MEDIA INDUSTRY

- Media industry sectors and products
- Job roles in the media industry

2. FACTORS INFLUENCING PRODUCT DESIGN

- Style, content and layout
- Client requirements
- Audience demographics
- Research
- Media codes

3. PRE-PRODUCTION PLANNING

- Work planning
- Generating ideas
- Designing and planning
- Legal issues
- Protecting individuals
- Intellectual property rights
- Regulation, certification and classification
- Health and safety

4. DISTRIBUTION CONSIDERATIONS

- Distribution platforms and media
- Media file formats and properties
- Image files
- Audio files
- Moving image files
- File compression

Visual identity and digital graphics

1. DEVELOP VISUAL IDENTITY

- Purpose, elements and design of visual identity

2. PLAN DIGITAL GRAPHICS FOR PRODUCTS

- Graphic design and conventions
- Properties of digital graphics and use of assets
- Techniques to plan visual identity and digital graphics

3. CREATE VISUAL IDENTITY AND DIGITAL GRAPHICS

- Tools and techniques of image editing software
- Source, create and prepare assets
- Techniques to save and export graphics



3. REVIEW INTERACTIVE DIGITAL MEDIA

- Techniques to test and review interactive digital media
- Improvements and further developments

2. CREATE INTERACTIVE DIGITAL MEDIA

- Technical skills to create assets
- Technical skills to create interactive digital media
- Techniques to save and export

1. PLAN INTERACTIVE DIGITAL MEDIA

- Types of interactive digital media
- Features and conventions of interactive digital media
- Resources required to create interactive digital media products
- Pre-production and planning documentation

Interactive digital media

BTEC

Unit 1: Information technology systems

TOPIC A: DIGITAL DEVICES IN IT SYSTEMS

- Digital devices for education, social use, and creative tasks
- Peripheral devices and media
- Computer software: operating systems and other user interfaces
- Emerging technologies
- Choosing IT systems

TOPIC B: TRANSMITTING DATA

- Wired and wireless connectivity
- Networks: LANs, WANs, VPNs
- Data transmission issues for individuals and organisations

TOPIC C: OPERATING ONLINE

- Online systems and cloud storage computing
- Online communities: social media, chat rooms, security

Unit 3: Using social media in business

TOPIC A: IMPACT ON PROMOTING PRODUCTS AND SERVICES

- Social media websites
- Business use of social media
- Risks and issues

TOPIC B: DEVELOPING A PLAN TO USE SOCIAL MEDIA IN BUSINESS

- Social media planning process
- Business requirements
- Content planning and publishing
- Developing an online community
- Developing a social media policy
- Reviewing and refining plans

TOPIC C: IMPLEMENTING SOCIAL MEDIA IN BUSINESS

- Creating accounts and profiles
- Content creation and configuration
- Online community building
- Data gathering and analysis

TOPIC D: PROTECTING DATA AND INFORMATION

- Threats to data, information, and systems
- Protecting data from hackers, phishing, and viruses

TOPIC E: IMPACT OF IT SYSTEMS

- Online services: education and financial services industries
- Impact on organisations: cost, staff training, user support
- Manipulating data and presenting results

TOPIC F: ISSUES

- Moral and ethical issues
- Environmental factors
- Data protection and computer misuse legislation
- Accessibility for motor and visually impaired users

Unit 2: Creating systems to manage information

TOPIC A: RELATIONAL DATABASE MANAGEMENT SYSTEMS

- Microsoft Access
- Database development terminology
- Standards
- Concepts and processes

TOPIC B: DESIGNING RELATIONAL DATABASE SOLUTIONS

- Methods and techniques

TOPIC C: CREATING A RELATIONAL DATABASE STRUCTURE

- Creating tables, queries, forms, reports, macros

TOPIC D: EVALUATING A DATABASE DEVELOPMENT PROJECT

- Design and performance

Unit 6: Website development

TOPIC A: THE PRINCIPLES OF WEBSITE DEVELOPMENT

- Purpose of websites
- Principles of website design
- Media and objects
- Creativity and innovation
- Factors affecting website performance

TOPIC B: DESIGNING A WEBSITE

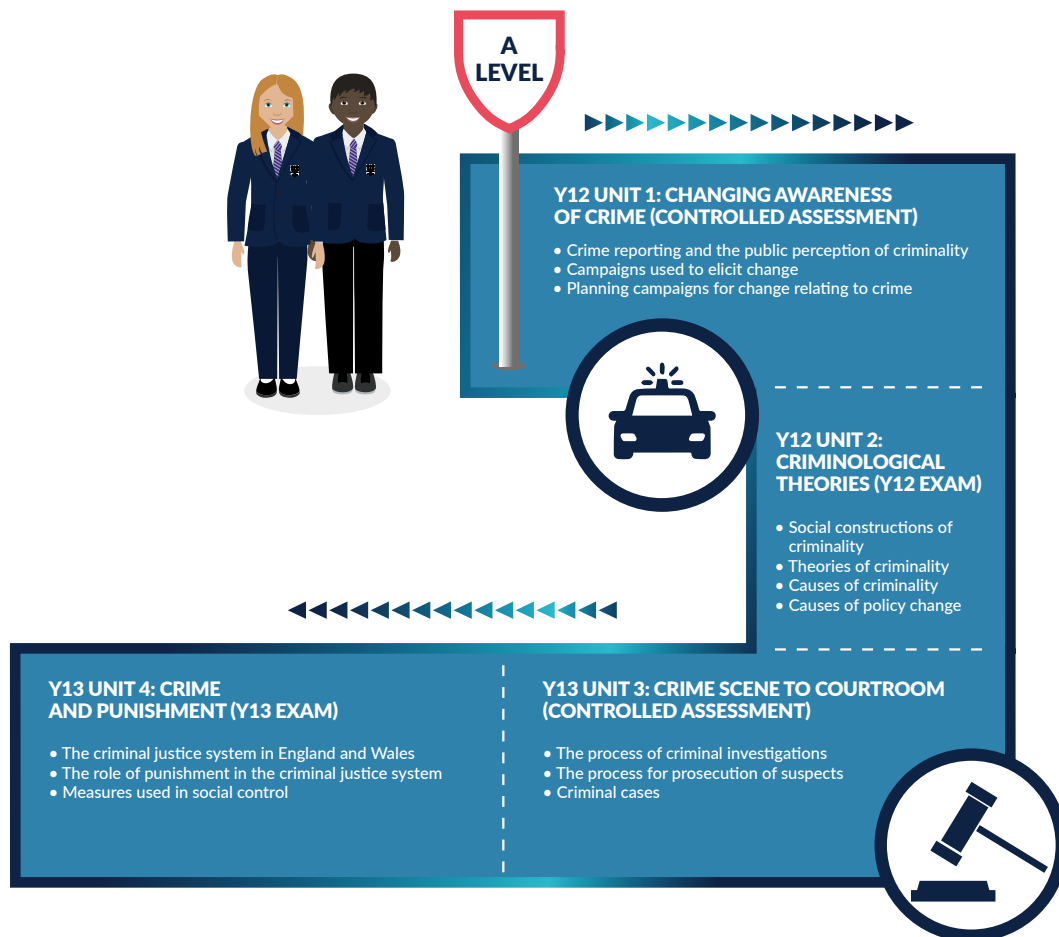
- Purpose design from client brief
- Initial design/prototypes
- Use of ready-made/original assets
- Testing requirements
- Legal and ethical considerations
- Common tools and techniques

TOPIC C: DEVELOPING A WEBSITE

- Client-side scripting languages
- Creating an interactive website
- Website review
- Website optimisation



CRIMINOLOGY





YEAR
7

1. NIGHT LIGHT

- Safety
- The PCB and electronic components
- Circuit symbols
- Circuit diagrams
- Tools used in electronics
- Soldering
- Input and Output devices
- Joining methods
- Basic sketching techniques

- Using a design specification
- Generating design ideas
- Technical details
- Production plans
- Computer Aided Design (CAD)
- Computer Aided Manufacture (CAM)

2. JUGGLING BALLS

- Safety in the Textiles workshop
- Design briefs
- Specifications
- Graphical presentation
- Fabrics and textiles
- Planning for manufacture
- Working with fabrics
- Sewing machine basics
- Pinning, cutting, joining techniques

3. KITCHEN UTENSIL

- Sustainability - the 6R's
- Materials - natural & man-made timbers
- Carbon footprint
- Life Cycle Analysis (LCA)
- Exploring Contexts
- Product analysis
- Ergonomics & anthropometrics
- Iterative designing
- Specifications
- Shaping materials - bending wood
- Surface finishes for timber
- Presenting designs - isometric
- Testing and evaluation

Design - Make - Evaluate

YEAR
8

Design - Make - Evaluate

7.I. WOODEN TOY (FINAL ROTATION)

- Exploring contexts
- Product analysis
- Mechanisms and movement
- User needs
- Specifications
- Strategies to generate designs
- Modelling and refining designs
- Orthographic drawing
- Testing, evaluation and modifications
- Using hand tools and workshop machinery

6. DESIGNER INFLUENCES

- Fashion design
- Developing designs
- Smart materials
- Properties of textiles
- Blended fibres
- Embellishment techniques

5. CHARGING STATION

- Materials - polymers
- 3D perspective drawing
- Rendering materials
- Shaping polymers with heat
- Specifications
- Developing designs
- Iterative modelling
- Presenting designs - perspective
- Computer Aided Design (CAD)
- Computer Aided Manufacture (CAM)

4. SOFT TOY

- Design brief and specification
- Decoration methods
- Iterative design
- Pattern development
- Materials and components
- Sewing machine basics
- Appliqué and embroidery
- Pinning, cutting, joining techniques

- Testing and evaluating
- Quality control and batch production
- Social, moral, and environmental factors
- User trials and modifications

YEAR
9



7.II. KANDINSKI CUSHION (FINAL ROTATION)

- Designers and Artists
- Surface decorations for textiles
- Design brief and specification
- Sustainability in fashion and textiles
- Social, moral, and environmental factors
- Production plan
- Evaluation

GCSE

1. D&T IN OUR WORLD

- New and emerging technologies
- Environmental impact
- Sustainable design and manufacture
- Legislation
- Consumer rights and protection
- Moral and ethical factors
- CAD and CAM applications

2. POLYMERS

- Thermosetting and thermoforming
- Physical and working properties
- Ecological and social footprint
- Scales of production
- Manufacturing techniques
- Specialist techniques and processes

3. NATURAL AND MANUFACTURED TIMBERS

- Sources and origins
- Physical and working properties
- Ecological and social footprint
- Scales of production
- Manufacturing techniques
- Specialist techniques and processes

4. DESIGNING STRATEGIES

- Graphical presentation methods
- Collaborative design approach
- Iterative design approach
- User-centred design approach
- Systems design approach
- Modelling

5. SMART MATERIALS, COMPOSITES, AND TECHNICAL TEXTILES

- Types of smart materials
- Types of composite
- Types of technical textiles
- Enhancing the function of products

A
LEVEL

1. DESIGN AND INNOVATION

- Principles of designing
- Research techniques
- Problem analysis
- Problem solving strategies
- Ergonomics and anthropometrics
- Quantitative and qualitative testing
- Computer systems for designing
- Innovation
- Communicating ideas and information

NEA

- Identifying and investigating possibilities
- Developing a design brief and specification
- Developing and modelling a prototype
- Manufacturing a prototype
- Testing, analysis, evaluation

9. MATERIALS

- Papers and boards
- Natural and manufactured timbers
- Ferrous and non-ferrous metals
- Thermoforming and thermosetting polymers
- Natural, synthetic, blended, mixed fibres
- Woven, non-woven and knitted textiles

8. MECHANICAL COMPONENTS AND DEVICES

- Types of movement
- Mechanical systems
- Magnitude and direction of forces and movement
- Mechanical systems in everyday products

7. ELECTRONIC SYSTEMS AND PROGRAMMABLE COMPONENTS

- Electronic components and circuits
- Control system: input, process, out, feedback
- Analogue and digital signals and interfacing
- Programming techniques

6. CAD/CAM

- Fusion 360 software (CAD):
- Sculpting and modelling tools
- 3D printing
- 2D design software (CAD):
- 2 dimensional shapes
- Colour renderings
- Technical drawing (BSI Standards)
- Creating toolpaths
- CNC routing
- Laser cutting
- Plotter/cutter

2. MATERIALS AND COMPONENTS

- Specific properties
- Modern material technology
- Materials for specific requirements
- Components and application
- Safe working practices

3. PROCESSES

- Hand methods
- Machine methods
- Combining/forming materials
- CAM

4. INDUSTRIAL PROCESSES AND COMMERCIAL PRACTICE

- Manufacturing industry
- Manufacturing systems
- Stages of production
- Management systems
- Safety
- Industrial methodology

5. PRODUCT ANALYSIS AND SYSTEMS

- Design and production
- Form and function
- Trends and influences on design
- Intellectual Property and Standards
- Systems and sub-systems

6. HUMAN RESPONSIBILITY

- Regulatory frameworks
- Risk assessment procedures
- Values in design solutions
- Forms of energy
- Responsibilities
- Quality

7. PUBLIC INTERACTION

- Market innovation
- Market research
- Selling the product
- Product diffusion
- Researching market/client needs

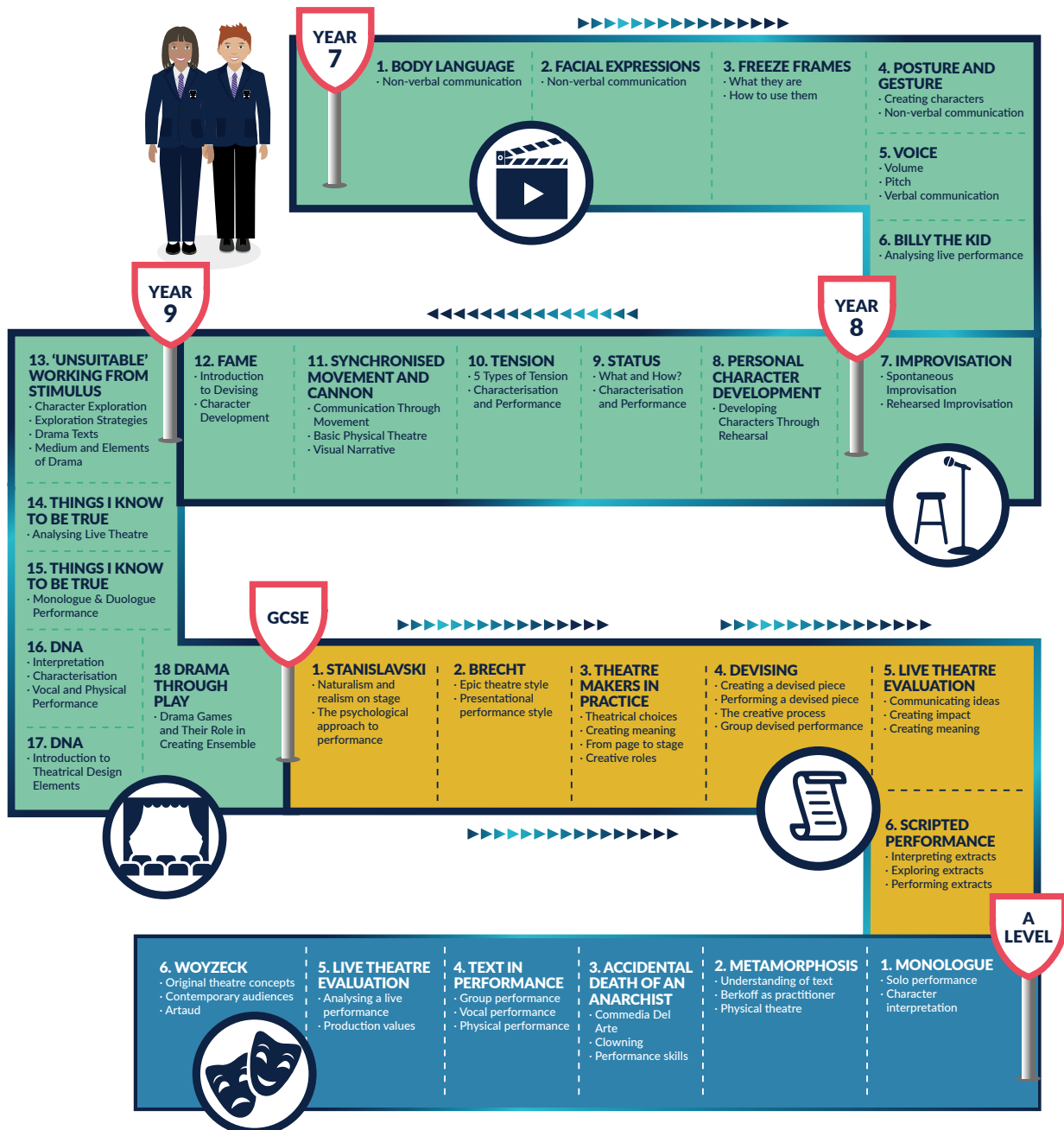
NEA

- Identifying and investigating design possibilities
- Developing a design brief and specification
- Generating and developing design ideas
- Manufacturing a prototype
- Testing, analysis, evaluation

Design - Make - Evaluate

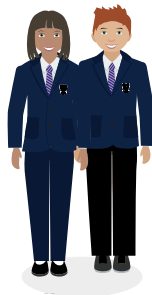


DRAMA





ECONOMICS



Year 12 – Teacher 1

1. NATURE OF ECONOMICS

- What is economics?
- Economic problem
- Economy types

2. HOW MARKETS WORK

- Market economies
- Consumer behaviour
- Pricing
- Demand and supply theory
- Behaviour theory

3. MARKET FAILURE AND GOVERNMENT INTERVENTION

- Why do markets fail?
- How can this be fixed?

4. ECONOMIC HISTORY

- Past vs present
- Key thinkers
- Key figures

5. THE FINANCIAL SECTOR

- Roles
- Responsibilities
- Failure

6. INTERNATIONAL TRADE

- Globalisation
- Specialisation
- Patterns of trade
- Trading blocs
- Protectionism

Year 12 – Teacher 2

1. ECONOMIC PERFORMANCE

- Economic growth
- Inflation
- Employment
- Unemployment

2. AGGREGATE DEMAND AND SUPPLY THEORY

- Characteristics
- Components
- Diagrammatic analysis

3. NATIONAL INCOME

- Circular flow of income
- Multiplier

4. ECONOMIC GROWTH

- Causes
- Business cycle
- Impacts

5. MACROECONOMIC OBJECTIVES AND POLICIES

- Demand side policies
- Supply side policies
- Conflicts and trade-offs

Year 13

1. BALANCE OF PAYMENTS AND EXCHANGE RATES

- Components
- Deficits and surpluses
- Global trade imbalances
- Exchange rate systems
- Government intervention

8. REVENUES, COSTS, AND PROFITS

- Calculating revenue
- Profit and loss
- Economies and diseconomies of scale
- Profit maximisation

7. BUSINESS OBJECTIVES

- What are they?
- Why do they charge?

6. BUSINESS GROWTH

- Principal-agent problem
- Profit and not-for-profit organisations
- Advantages and disadvantages of growth
- Constraints
- Demergers

5. THE GLOBAL MACROECONOMY

- Capital and current expenditures
- Transfer payments
- Public expenditure
- Taxes
- Public sector finances
- Macroeconomic policies

4. ECONOMIC DEVELOPMENT

- HDI
- Influencing factors
- Growth strategies
- NGOs
- TNCs

3. POVERTY AND INEQUALITY

- Absolute and relative poverty
- Wealth inequality
- Income inequality

2. INTERNATIONAL COMPETITIVENESS

- Measurement
- Influencing factors

9. MARKET STRUCTURES

- Perfect competition
- Monopolies
- Pricing strategies
- Oligopoly
- Game theory
- Monopsony

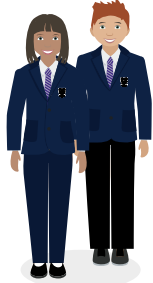
10. GOVERNMENT INTERVENTION INTO MARKETS

- Methods
- Successes
- Failures

11. THE LABOUR MARKET

- Demand for labour
- Supply of labour
- Wage determination

ENGLISH



**YEAR
7**

Heroes and villains

**1. FAIRY TALE
HEROES AND
VILLAINS**
• Narrative structure
• Archetypal heroes
and villains

**2. MODERN
FANTASY NOVEL**
• How writers craft
settings
• Analysing characters

**3. ANCIENT
HEROES AND
BEOWULF**
• The Heroic Code
• The concept of hubris

**4. REAL
HEROES**
• How writers
structure non-
fiction
• Shaping non-
fiction texts

**5. THE ART OF
RHETORIC AND
SHAKESPEARE**
• How Shakespeare
uses rhetoric
• Pathos, ethos, logos

6. SPY FICTION
• How writers use genre
conventions
• Characterisation

**YEAR
8**

**YEAR
9**



**7. POWER AND
CONFLICT**
• Dystopian fiction
• Exploring the genre
• Crafting tension

Right and wrong

**15. 19TH
CENTURY CRIME
FICTION**
• Victorian novels
• Critical evaluation skills

**14. NEWSPAPER
JOURNALISM**
• Counter argument
• Anecdote

**13. POWER
AND
OPPRESSION
IN FICTION**
• Social injustice
• Foreshadowing and
juxtaposition

**12. GOTHIC
LITERATURE**
• Influential Gothic
texts
• Melodrama and
hyperbole

**11. TRAVEL
AND REVIEW
WRITING**
• How writers craft
opinion
• Techniques to
engage the reader

**10. SHAKESPEARE'S
ROMEO AND
JULIET**
• Themes, characters,
and context
• Dramatic irony

**9. TWISTED
LOVE
POETRY**
• Different poetic
forms
• How poets use
sound patterns

**8. WAR AND
PROPAGANDA**
• How writers create
a viewpoint
• War poetry



**17. SHAKESPEARE'S
MACBETH**
• Themes, characters,
and context

GCSE

English Language and English Literature

**1. AN INSPECTOR
CALLS –
PRIESTLEY**
• Characters and
themes
• Dramatic techniques
• Social and historical
context

**2. READING
FICTION TEXTS**
• How to use Blitz
the Blurp
• Narrative time and
perspective

**3. A CHRISTMAS
CAROL –
DICKENS**
• Dickens' style and
techniques
• Critical judgement
skills

**4. ANALYSING
UNSEEN
POETRY**
• How to interpret
and analyse in
exam
• Summary and
comparison skills

**5. WRITING
CREATIVE
FICTION**
• Narrative structures
• How to use drop,
shift, zoom in, zoom
out

**6. POWER AND
CONFLICT POETRY**
• How to be confident,
critical readers
• Linking context skills

**7. READING
NON-FICTION**
• How to use active reading
• Writers' methods

**8. WRITING
NON-FICTION**
• Point-of-view writing skills
• How to use rhetorical
devices
• Shakespeare's Macbeth
• Critical readings of the
play



English Language and English Literature

**5. UNSEEN LITERARY
NON-FICTION**
• Genre
• How to critically evaluate

**4. CREATIVE NON-FICTION
FOR COURSEWORK**
• Exploring creative non-fiction
• How to write non-fiction

**3. VOICES ANTHOLOGY
VS UNSEEN TEXTS**
• Comparing big picture ideas
• Comparing language and structure

**2. CREATIVE FICTION
FOR COURSEWORK**
• Exploring creative fiction
• How to write fiction

**1. VOICES ANTHOLOGY
NON-FICTION TEXTS**
• Exploring generic conventions
• CPR: context, production, reception

**5. EXAM SKILLS AND
REVISION OF TEXTS**
• Planning and writing effective essays
• Revising core texts and contexts

**4. MODERN PLAY: A
STREETCAR NAMED DESIRE**
• Exploring stagecraft and subtext
• Applying context

**3. THE GREAT GATSBY
VS OTHELLO**
• Exploring thematic links
• Evaluating and comparing writers' craft

2. OTHELLO
• Impact of context
• Characterisation and themes

1. THE GREAT GATSBY
• Evaluating themes
• Exploring linguistic features

**A
LEVEL**

English Literature

5. COURSEWORK CRAFTING
• Researching context and critical
theory
• Crafting effective comparisons

**4. THE WIFE OF BATH'S
TALE – CHAUCER**
• How to read Middle English
• Critical evaluation skills

3. COURSEWORK STUDY
• Selecting study texts
• Preparing a research title

2. NOVEL 2
• Close textual analysis
• Impact of context

1. NOVEL 1
• Close textual analysis
• Contextual influences

5. COMPARING POEMS
• Close analysis of unseen poetry
• Comparing poems in exam

4. THE GENRE OF TRAGEDY
• Exploring critical readings
• Applying knowledge of
genre and context

**3. A STREETCAR NAMED
DESIRE**
• Stagecraft, ideas, context
• Audience responses

**2. SHAKESPEARIAN
TRAGEDY**
• Study of a Shakespeare tragedy
• Evaluating context

**1. MODERN POETRY
ANTHOLOGY**
• Exploring ideas and techniques
• Different reader responses

Poetry

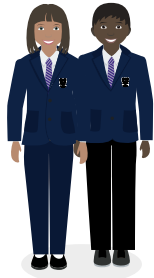
Drama

Drama

Prose



EDUCATION 4 LIFE



**YEAR
7**

HEALTH & WELLBEING – TRANSITION AND SAFETY

- Transition to secondary school, letter to future self, friendships
- Personal safety: In and outside of school, risk taking behaviour
- Study Skills: How do I learn?
- Personal strengths
- Basic first aid: Bleeding

LIVING IN THE WIDER WORLD – FINANCIAL DECISION MAKING

- Saving, borrowing, and budgeting
- Consumerism: What are my rights?

RELATIONSHIPS – DIVERSITY

- Diversity: Identity, rights, and responsibilities
- Discrimination: Challenging discrimination, stereotypes

RELATIONSHIPS – BUILDING RELATIONSHIPS

- Bullying: Signs and effects, online
- Grooming

HEALTH & WELLBEING – HEALTH AND PUBERTY

- Health: Smoking and vaping
- Puberty: Hygiene, physical changes, FGM
- Healthy lifestyle: diet, dental, sleep
- Recognising unhealthy relationships: recognising and responding to
- Introduction to consent: assertiveness
- Introduction to substances: Drugs, caffeine, alcohol



**YEAR
8**

HEALTH & WELLBEING – EMOTIONAL WELLBEING

- Emotional wellbeing: healthy relationships
- Sexting: risks
- Self harm: Unhealthy coping strategies
- Eating disorders: risks

RELATIONSHIPS – DISCRIMINATION

- Relationships: Developing confidence, self-worth
- Knife crime: Fearless
- Discrimination: gender identity, stereotypes
- Homophobia: Recognise and challenge
- Hate crime: Racism

LIVING IN THE WIDER WORLD – COMMUNITY AND CAREERS

- Employment, self-employment, and voluntary work
- Aspirational goals for future careers and challenge expectations that limit choices

HEALTH & WELLBEING – DRUGS AND ALCOHOL

- Drugs: Medicinal, recreational
- Energy drinks: Caffeine
- Alcohol: assessing risk
- Smoking: assessing risk

LIVING IN THE WIDER WORLD – DEVELOPING SKILLS AND ASPIRATIONS

- Careers: Introduction
- How to be enterprising: Self-worth and personal qualities
- Career choices: Values and aspirations



**YEAR
9**

RELATIONSHIPS – IDENTITY AND RELATIONSHIPS

- Contraception: Introduction to basic forms
- Consent: The law, Chelsea's Choice theatre production

HEALTH & WELLBEING – PEER INFLUENCE, SUBSTANCE USE AND GANGS

- Peer Influence: relationships
- Signs of exploitation: gangs
- Positive social norms: drugs and alcohol
- Police: Stop and Search

LIVING IN THE WIDER WORLD – SETTING GOALS

- Options: process and choices post 16
- Options: aspirations and goals

LIVING IN THE WIDER WORLD – EMPLOYABILITY SKILLS

- Options: research careers

HEALTH AND WELLBEING – HEALTHY LIFESTYLE

- Healthy lifestyle: physical & mental health
- Lifestyle balance: sleep & exercise
- Body image: Influences
- Self-examination: breast and testicular
- First aid: CPR and Asthma

RELATIONSHIPS – RESPECTFUL RELATIONSHIPS

- Relationships: different family types
- Relationships: marriage, separation, and divorce
- Consent: right to withdraw consent, myths, and misconceptions



**YEAR
10**

RELATIONSHIPS – ADDRESSING EXTREMISM AND RADICALISATION

- Diversity
- Radicalisation

HEALTH & WELLBEING – EXPLORING INFLUENCE

- Substance misuse: alcohol
- Substance misuse: drugs
- Substance misuse: support

LIVING IN THE WIDER WORLD – FINANCIAL DECISION MAKING

- Risk taking
- Gambling
- Identity theft

HEALTH & WELLBEING – MENTAL HEALTH

- Mental health
- Negative thinking
- Managing challenges

RELATIONSHIPS – INTIMATE RELATIONSHIPS

- Introduction to contraception: pregnancy
- Introduction to STI's: condoms
- Relationships: media portrayal and pornography
- Managing risk: sexual images



**YEAR
11**

LIVING IN THE WIDER WORLD – PREPARATION FOR WORKPLACE/ EXPERIENCE

- Careers: work experience
- Careers: health & safety
- Careers: readiness for work

LIVING IN THE WIDER WORLD – NEXT STEPS

- Options post-16
- Rights and responsibilities
- Employability
- Using feedback constructively

HEALTH & WELLBEING – BUILDING FOR THE FUTURE

- Effective exam revision techniques
- Stress management

RELATIONSHIPS – COMMUNICATION

- Unhealthy relationships
- Exploitive and abusive relationships
- Gender identity and sexual orientation
- Harassment and stalking

HEALTH & WELLBEING – INDEPENDENCE

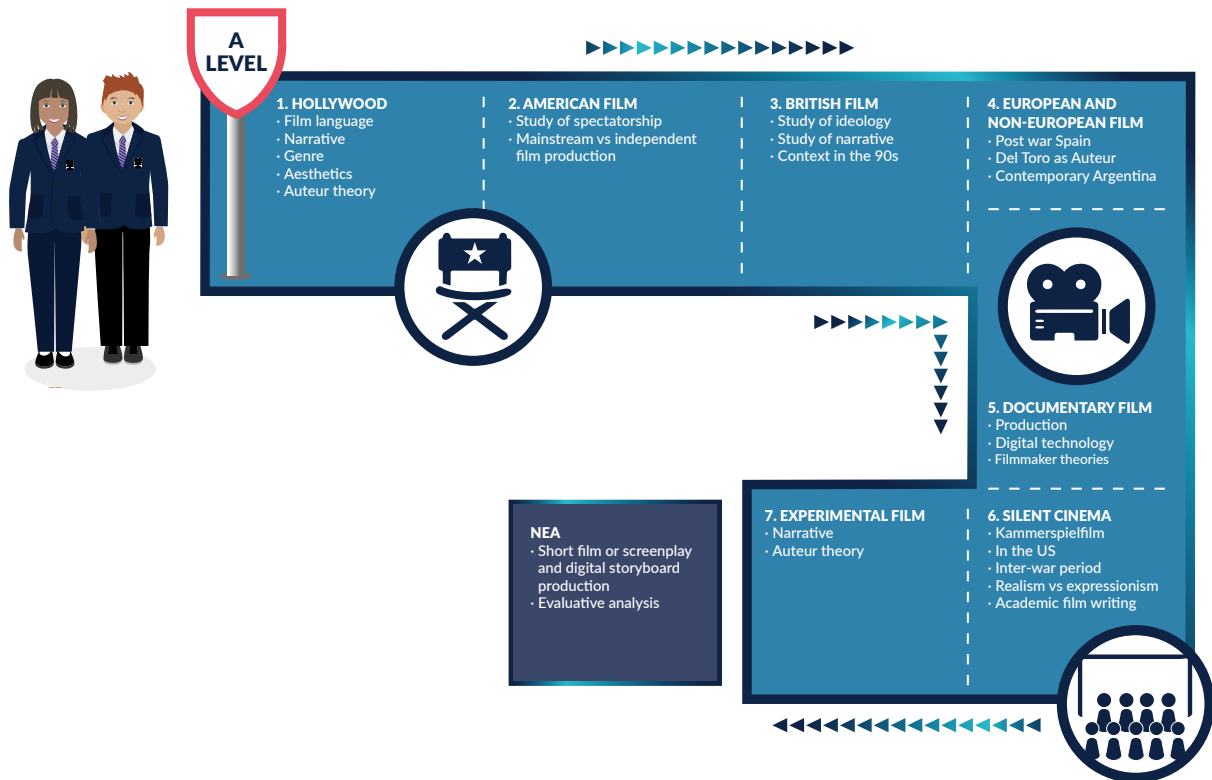
- Body image, cosmetic and aesthetic body alterations
- Managing risk and personal safety
- Emergency First Aid
- Accessing health services
- Self examination

RELATIONSHIPS – FAMILIES

- Pregnancy, birth, and miscarriage
- Adoption and fostering
- "Honour based" violence and forced marriage
- Bereavement

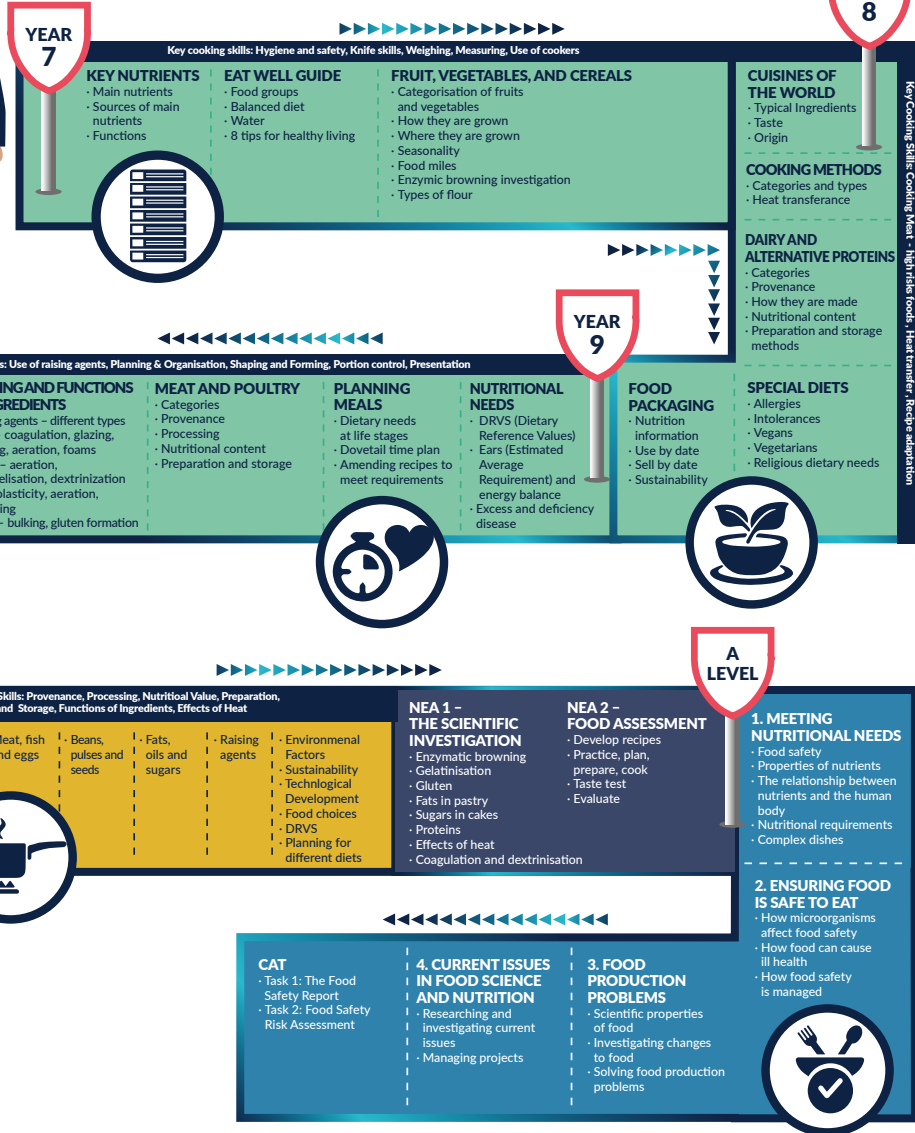


FILM STUDIES

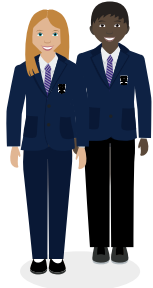




FOOD PREPARATION AND NUTRITION



FRENCH



**YEAR
7**

1. INTRODUCTION TO FRENCH

Grammar content:

- numbers
- present tense
- indefinite and partitive articles
- nouns
- past tense

Phonics:

- nasal vowels
- silent letters -t, -s
- é
- oi



**YEAR
8**

1. ME AND MY FAMILY

Grammar content:

- possessive pronouns
- nouns
- adjective agreement
- negatives
- present tense of être and avoir

Phonics:

- silent letters -t, -s, -x eu
- è

2. MY SCHOOL

Grammar content:

- definite articles opinions
- adjective agreement
- present tense of regular -er verbs
- past tense of regular -er verbs

Phonics:

- regular -er verb endings

Study & Employment

3. MY FREE TIME

Grammar content:

- opinion + infinitive
- present tense
- near future tense
- si clauses

Phonics:

- silent letters -t, -s, -d

GCSE

Continuous Grammar:

- Present tense
- Perfect tense
- Near future tense
- Finite verb + infinitive

3. HEALTHY LIVING

Grammar content:

- il faut + infinitive
- à + definite
- article partitive article
- negatives
- simple future tense

Phonics:

- é
- nasal vowels

2. HOLIDAYS

Grammar content:

- regular past participles
- irregular past participles
- verbs that use être in the past tense
- prepositions (en, à, au, aux)

Phonics:

- é
- nasal vowels

1. TOWN

Grammar content:

- negatives
- indefinite articles
- si clauses
- on peut + infinitive
- à + definite article
- near future tense

Phonics:

- er eau ai eu

**YEAR
9**

1. FESTIVALS AND CELEBRATIONS

Grammar content:

- Modal verbs



2. MY HOME, TOWN AND REGION

Grammar content:

- Adjective agreement Il y a + adverb
- Si clauses
- Conditional tense (serait/aurait)

3. HOLIDAYS

Grammar content:

- Prepositions (countries/transport)
- Comparatives
- Conditional tense

4. SCHOOL AND POST-16

Grammar content:

- Il faut + infinitive
- Imperfect tense

5. HEALTHY LIVING

Grammar content:

- Infinitives
- Negatives
- Simple future tense

6. JOBS AND THE WORLD OF WORK

Grammar content:

- Giving complex opinions

7. THE ENVIRONMENT AND SOCIAL ISSUES

4. SOCIETAL ISSUES

- Societal attitudes to crime
- Punishments
- Prison

3. FRENCH POLITICS

- Electoral system
- Young people and politics
- Political demonstrations
- Trade unions

2. FILM STUDY

- Critique
- Characters
- Themes
- Plots
- Techniques



1. FRENCH ARTISTIC CULTURE

- Contemporary French music
- French cinema
- Heritage and culture

**A
LEVEL**

6. POLITICS AND IMMIGRATION

- Political solutions
- Political stances
- Immigrants in France

5. DIVERSE SOCIETIES

- Diversity and tolerance
- Respect
- Positives of ethnic mix

4. AN INCLUSIVE SOCIETY

- Helping the marginalised
- Societal attitudes

3. BOOK STUDY

- Critique
- Characters
- Themes
- Plots
- Techniques

2. VOLUNTEERING

- Helping others
- Benefits?



1. SOCIETAL CURRENT TRENDS

- Single parents
- Blended families
- Family dynamics
- Technology
- Cyber dangers
- Cybernauts



FURTHER MATHS



**A
LEVEL**



Applied

1. ALGORITHMS

- Flow charts
- Bubble sort
- Quick sort
- Bin-packing

2. GRAPHS AND NETWORKS

- Modelling with graphs
- Graph theory
- Matrices
- Planarity algorithm

3. ALGORITHMS ON GRAPHS

- Kruskal
- Prim
- Dijkstra
- Floyd

4. ROUTE INSPECTION

- Eulerian graphs
- Algorithm
- Networks with more than 4 odd nodes

5. DISCRETE RANDOM VARIABLES

- Expected value
- Variance

6. POISSON DISTRIBUTIONS

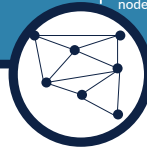
- Modelling
- Adding
- Mean and variance
- Approximating binomial

7. GEOMETRIC AND NEGATIVE BINOMIAL DISTRIBUTIONS

- Geometric distribution
- Negative binomial
- Mean and variance

8. HYPOTHESIS TESTING

- Mean of Poisson
- Critical regions



14. CHI-SQUARED TEST

- Goodness of fit
- Degrees of freedom
- Testing a hypothesis
- Contingency tables

15. PROBABILITY GENERATING FUNCTIONS

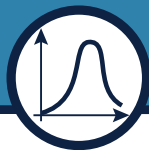
- Standard distributions
- Mean and variance
- Sums of independent random variables

16. QUALITY OF TESTS

- Type 1 and 2 errors
- Normal distribution
- Size and power

13. CENTRAL LIMIT THEOREM

- Normal distribution
- Other distributions



12. CRITICAL PATH ANALYSIS

- Modelling
- Dummy activities
- Float
- Gantt charts

11. SIMPLEX ALGORITHMS

- Linear programming
- Simplex method
- Two stage simplex
- Big M Method

10. LINEAR PROGRAMMING

- Graphs
- Inequalities
- Optimal point
- Integer solutions

9. TRAVELLING SALESMAN

- The problem
- Minimum spanning tree
- Nearest neighbour



Pure

1. COMPLEX NUMBERS

- Imaginary numbers
- Multiplying
- Complex conjugation
- Complex roots

$$i^2 = -1$$

2. ARGAND DIAGRAMS

- Modulus and argument
- Loci
- Regions

3. SERIES

- Sums of natural numbers
- Sums of squares and cubes

4. MATRICES

- Matrix multiplication
- Determinants
- Inverse
- Simultaneous equations

5. LINEAR TRANSFORMATIONS

- 2D transformations
- Reflections and rotations
- Successive transformations
- 3D transformations

6. PROOF BY INDUCTION

- Proving divisibility results
- Proving statements involving matrices

7. ROOTS OF POLYNOMIALS

- Quadratics
- Cubics
- Quartics
- Linear transformations of roots

8. VOLUMES OF REVOLUTION

- Around x axis
- Around y axis
- Modelling

9. VECTORS

- 3 dimensions
- Equation of a line
- Equation of a plane
- Angles between lines and planes
- Points of intersection
- Finding perpendiculars

10. COMPLEX NUMBERS

- Exponential form
- Multiplying and dividing
- De Moivre's Theorem
- Trig identities
- Sums of series
- Nth roots



17. MODELLING DIFFERENTIAL EQUATIONS

- Harmonic motion
- Damped and forced
- Simultaneous equations

16. DIFFERENTIAL EQUATIONS

- First order
- Second order
- Non-homogenous
- Boundary conditions

15. HYPERBOLIC FUNCTIONS

- Inverse
- Identities
- Calculus

14. POLAR COORDINATES

- Sketching curves
- Area
- Tangents

13. VOLUMES OF REVOLUTION

- Axes
- Parametric curves
- Modelling

12. METHODS IN CALCULUS

- Improper integrals
- Mean value
- Inverse trig functions
- Partial fractions

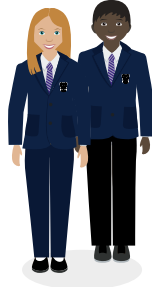
11. SERIES

- Method of differences
- Higher derivatives
- Maclaurin series
- Series expansion





GEOGRAPHY



**YEAR
7**

1. WHAT IS A GEOGRAPHER?

- Local and global map skills

2. HOW DO WE USE MAP SKILLS?

- Grid references
- Scale
- Direction

3. WHAT IS THE PHYSICAL GEOGRAPHY OF THE UK?

- Climate
- Water
- Relief

4. WHAT IS THE HUMAN GEOGRAPHY OF THE UK?

- Population
- Urbanisation
- Economy



**YEAR
8**

5. WHAT IS THE ENVIRONMENTAL GEOGRAPHY IN THE UK?

- Ecosystem
- Resources
- Climate change

6. HOW HAVE SETTLEMENTS CHANGED OVER TIME?

- Early settlements
- Types
- Challenges and opportunities



11. WHAT CHALLENGES AND OPPORTUNITIES FACE AFRICA?

- Continent study
- Human geography
- Physical geography
- Environmental geography

10. WHAT IS DEVELOPMENT?

- Definition
- Measures
- Comparing countries

9. WHAT HAPPENS WHERE THE LAND MEETS THE SEA?

- Processes and landforms
- Threats
- Protection

8. WHY ARE RIVERS IMPORTANT?

- Human uses
- Landforms
- Flooding

7. IS THE EARTH RUNNING OUT OF NATURAL RESOURCES?

- Our planet's natural resources
- Resource consumption
- Challenges and management

**YEAR
9**

12. CAN WE EVER KNOW ENOUGH ABOUT EARTHQUAKES AND VOLCANOES TO LIVE SAFELY?

- Distribution
- Plate tectonics
- Case studies



GCSE

13. WHAT CHALLENGES AND OPPORTUNITIES FACE GLOBAL ECOSYSTEMS?

- Climatic zones
- Characteristics
- Opportunities and threats

14. WHAT IS URBAN CHANGE?

- Urbanisation in HICs
- Urbanisation in LICs
- Sustainable living

15. HOW HAS CHINA CHANGED?

- Geography
- The South West
- Challenges

1. NATURAL HAZARDS

- Tectonics
- Tropical storms
- Flooding
- Climate change

2. THE LIVING WORLD

- Tropical rainforests
- Deserts
- Challenges and opportunities

3. COASTAL LANDSCAPES

- Processes
- Landforms
- Management

4. RIVER LANDSCAPES

- Processes
- Landforms
- Management

Physical landscapes in the UK

5. FIELDWORK

- Enquiry process



NEA
• Creating your question
• Literature review
• Data collection
• Write up

3. WATER AND CARBON CYCLE

- Water cycle
- Carbon cycle
- Case studies

2. COASTAL SYSTEMS AND LANDSCAPES

- Systems
- Processes
- Landforms
- Management



1. HAZARDS

- Tectonics
- Storm hazards
- Wild fires

**A
LEVEL**

8. THE CHALLENGE OF RESOURCE MANAGEMENT

- Water
- Energy
- Food

6. URBAN ISSUES AND CHALLENGES

- The urban world
- Urban change in the UK
- Sustainable urban development

7. THE CHANGING ECONOMIC WORLD

- The development gap
- NEE/LIC case study
- The changing UK economy



3. POPULATION AND THE ENVIRONMENT

- Health and wellbeing
- Population change
- Population ecology
- Global future

2. CHANGING PLACES

- Relationships
- Connections
- Representation

1. GLOBAL SYSTEMS AND GOVERNANCE

- Globalisation
- International trade
- Global governance
- Antarctica

GERMAN



YEAR 7

INTRODUCTION TO GERMAN

Grammar content:
• numbers
• present tense
• nouns
• adjectives
• intensifiers

Phonics:
• ei
• ie
• ß
• th
• zj

Study and
interest

YEAR 8

1. MY FAMILY

Grammar content:
• possessive
• pronouns
• nouns
• present tense
• adjectives

Phonics:
• v
• pf
• -d
• gch

Identity

2. MY HOBBIES

Grammar content:
• gern
• present tense
• justified opinions
• time phrases

Phonics:
• aer
• -e
• ö
• sp
• -h

Identity



GCSE

Continuous Grammar:

• Present tense
• Perfect tense
• Near future tense
• Complex opinions

1. MEDIA

Grammar content:
• Conditional tense
• weil

Identity

3. AT THE WEEKEND (CONSOLIDATION)

Grammar content:
• time phrases
• present tense
• past tense
• future tense

Interests

2. HOLIDAYS

Grammar content:
• past tense with haben and sein
• past tense opinions

Phonics:
• eng
• ü
• -sch

Interests

1. MY TOWN

Grammar content:
• indefinite articles
• complex opinions
• nicht nur...sondern auch
• man kann + infinitive

Phonics:
• au
• ä
• eu
• q
• st

Interests

YEAR 9

3. SUMMER PLANS

Grammar content:
• future tense
• conditional tense

Phonics:
• w
• ee
• s

Interests

2. HEALTHY LIVING

• Modal verbs
• wenn clauses
• um...zu...

Interests

3. FAMILY & FRIENDS

• Comparative adjectives
• Imperfect tense

Identity

4. FESTIVALS

• man

Identity

5. SCHOOL

• time
• Adjective agreement

Study and
interest

6. JOBS

• Gendered nouns

Study and
interest

7. TOWN AND ENVIRONMENT

• Definite and indefinite articles
• Compound conjunctions

Interests

A LEVEL

7. RACISM

• Impact
• Origins
• Resistance

Interests

6. INTEGRATION/CULTURE

• Governmental role
• Issues
• Refugees

Interests

5. MIGRATION

• Reasons
• Advantages and disadvantages

Interests

4. FILM: GOODBYE LENIN

• Critique
• Characters
• Themes
• Plots
• Techniques

Identity

3. YOUTH CULTURE

• Fashion
• Music
• TV

Identity

2. THE DIGITAL WORLD

• The internet
• Social media
• Digital society

Identity

1. CHANGING FAMILIES

• Family relationships
• Changing family roles
• Possible forms of family life

Identity

7. THE IMPACT OF REUNIFICATION

• Events and developments
• Outcomes
• Culture and identity

Interests

6. POLITICS AND YOUNG PEOPLE

• Engagement
• Priorities
• Pressure groups

Interests

5. GERMANY AND THE EU EVOLUTION

• Germany's role
• Advantages and disadvantages
• Expansion

Interests

4. BOOK: DER VORLESER

• Critique
• Characters
• Themes
• Plots
• Techniques

Identity

3. BERLIN CULTURE: THEN AND NOW

• Political events
• Culture
• Multiculturalism

Identity

2. ART AND ARCHITECTURE

• Influence
• Past and future developments

Interests

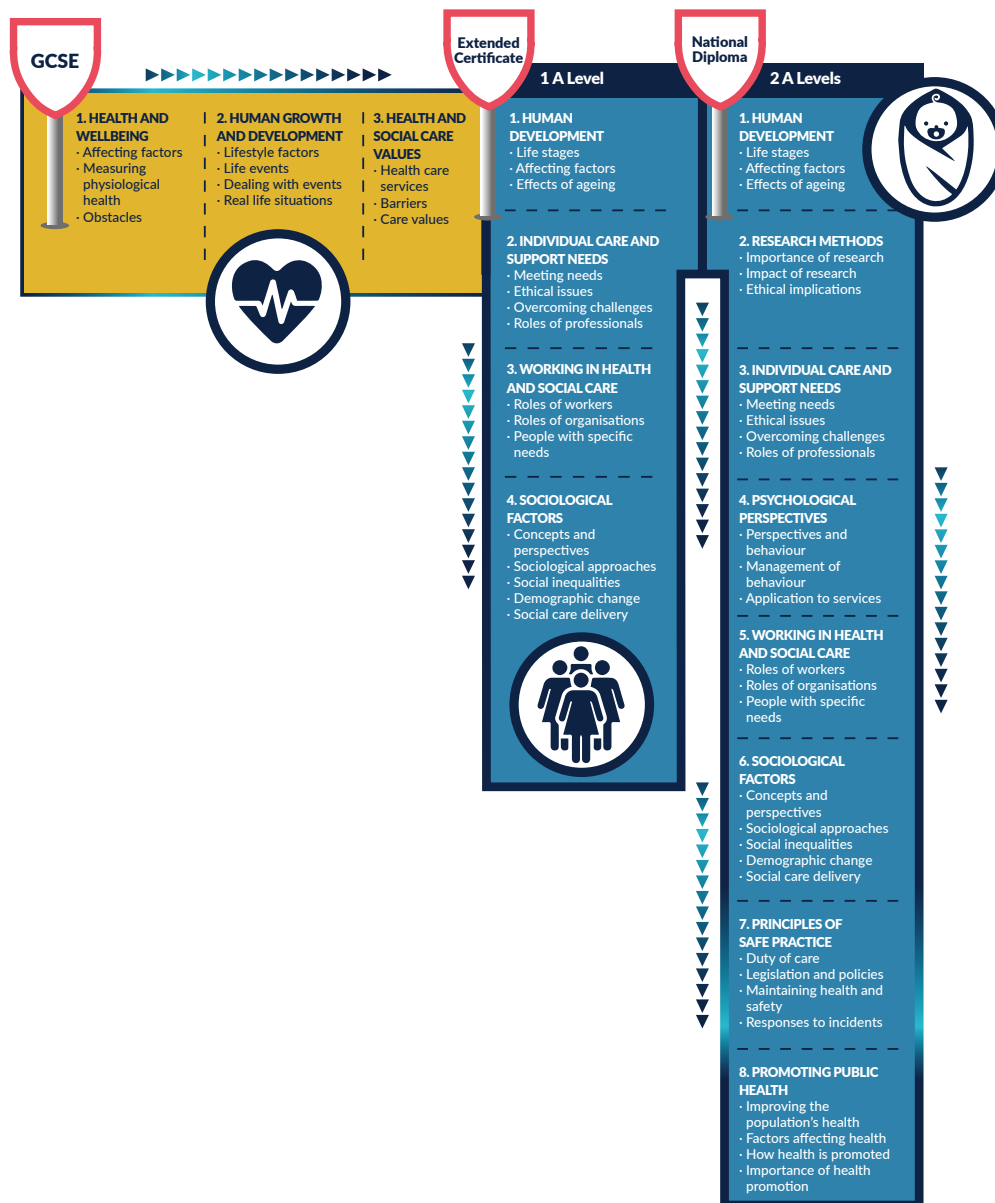
1. FESTIVALS AND TRADITIONS

• Roots and origins
• Social/economic importance
• Diversity

Identity



HEALTH AND SOCIAL CARE





HISTORY



**YEAR
7**

1. HISTORICAL SKILLS

- What makes a good historian?
- Cheltenham over time
- Tollund Man

2. THE ROMANS

- The Roman Empire and Government
- Everyday life in Britain and Gloucestershire
- Pompeii in 79AD

3. ANGLO-SAXON AND NORMAN BRITAIN

- Rivalry for the throne
- The Battle of Hastings
- Feudal system
- Castles
- Domesday Book

4. THE MIDDLE AGES

- Changes in society
- The murder of Thomas Becket 1170
- The Magna Carta 1215
- The Black Death 1348



**YEAR
8**

5. THE TUDORS

- The Princes in the Tower
- Was Henry VII a gangster?
- Religious changes
- Tudor society
- Elizabethan portraits
- The Spanish Armada



**YEAR
9**

10. VICTORIAN BRITAIN

- Public health problems
- Living and working conditions
- How 'Great' was Britain?

11. EDWARDIAN BRITAIN

- A Golden Age?
- The Titanic
- Cheltenham before the war

12. WORLD WAR ONE

- Causes and consequences
- Fighting conditions and methods
- Women, ethnic minority groups, and commonwealth
- 1919 Treaty of Versailles
- Inter-war European dictatorships

9. THE BRITISH EMPIRE

- Causes, characteristics, consequences
- The Amritsar Massacre 1919
- Impact of the Empire

8. SLAVERY

- Culture in West African countries
- British Slave Trade 1600-1807
- Olaudah Equiano
- Abolishment and beyond



7. REVOLUTIONS

- Causes, characteristics, consequences
- American
- French
- Industrial

6. THE STUARTS

- King James I
- Witchcraft and treatment of women
- The Gunpowder Plot 1605
- English Civil War 1642-1649
- Cromwell's impact on England and Ireland
- The Great Plague 1665
- Fire of London 1666

GCSE

1. CRIME AND PUNISHMENT THROUGH TIME C1000-PRESENT

- Medieval England c1000-c1500
- Early modern England c1500-c1700
- Industrial Period c1700-c1900
- Modern day

2. WHITECHAPEL C1870-C1900

- Causes of crime
- Policing
- Jack the Ripper
- Historical enquiry sources

3. ANGLO-SAXON AND NORMAN ENGLAND 1060-1088

- Anglo-Saxon England
- The succession crisis 1066
- William conquers England
- Norman consolidation of power
- Rebellions
- How the Normans changed England
- William, Lanfranc and Rufus vs Curthose and Odo



**A
LEVEL**

2. THE TUDORS: REBELLION AND DISORDER 1485-1603

- Changes in Tudor Government 1485-1603
- The succession of Henry VIII 1485-1499
- Challenges to Henry VIII's religious changes 1533-1537
- Kett's rebellion of 1549
- Revolt of the Northern Earls 1569-1570
- Tyrone's rebellion 1594-1603

1. BRITAIN TRANSFORMED 1918-1979

- Political and economic environment
- Creation of the welfare state
- Society in transition
- Quality of life
- Margaret Thatcher's governments

2. AMERICAN CIVIL RIGHTS COURSEWORK

- Martin Luther King
- The 1964 Civil Rights Act

1. THE USA: BOOM, BUST, AND RECOVERY 1920-1955

- The boom and crash in 1920-1929
- Depression and the New Deal 1929-1938
- Impact of the Second World War
- Economic transformation 1945-1955

5. WEIMAR AND NAZI GERMANY 1918-1939

- Weimar Germany 1918-1933
- How Hitler became leader of Germany
- Nazi control of Germany
- Life under Nazi rule 1933-1939

4. THE AMERICAN WEST C1835-1895

- The Plains Indians
- Early migrants and settlers
- Conflict on the Plains from the 1860s
- The Wild West
- Farming and ranching
- Destruction of the Native American way of life by 1895





INFORMATION TECHNOLOGY



BTEC

Unit 1: Information technology systems

TOPIC A: DIGITAL DEVICES IN IT SYSTEMS

- Digital devices for education, social use, and creative tasks
- Peripheral devices and media
- Computer software: operating systems and other user interfaces
- Emerging technologies
- Choosing IT systems

TOPIC B: TRANSMITTING DATA

- Wired and wireless connectivity
- Networks: LANs, WANs, VPNs
- Data transmission issues for individuals and organisations

TOPIC C: OPERATING ONLINE

- Online systems and cloud storage computing
- Online communities: social media, chat rooms, security

Unit 3: Using social media in business

TOPIC A: IMPACT ON PROMOTING PRODUCTS AND SERVICES

- Social media websites
- Business use of social media
- Risks and issues

TOPIC B: DEVELOPING A PLAN TO USE SOCIAL MEDIA IN BUSINESS

- Social media planning process
- Business requirements
- Content planning and publishing
- Developing an online community
- Developing a social media policy
- Reviewing and refining plans

TOPIC C: IMPLEMENTING SOCIAL MEDIA IN BUSINESS

- Creating accounts and profiles
- Content creation and configuration
- Online community building
- Data gathering and analysis

TOPIC D: PROTECTING DATA AND INFORMATION

- Threats to data, information, and systems
- Protecting data from hackers, phishing, and viruses

TOPIC E: IMPACT OF IT SYSTEMS

- Online services: education and financial services industries
- Impact on organisations: cost, staff training, user support
- Manipulating data and presenting results

TOPIC F: ISSUES

- Moral and ethical issues
- Environmental factors
- Data protection and computer misuse legislation
- Accessibility for motor and visually impaired users

Unit 2: Creating systems to manage information

TOPIC A: RELATIONAL DATABASE MANAGEMENT SYSTEMS

- Microsoft Access
- Database development terminology
- Standards
- Concepts and processes

TOPIC B: DESIGNING RELATIONAL DATABASE SOLUTIONS

- Methods and techniques

TOPIC C: CREATING A RELATIONAL DATABASE STRUCTURE

- Creating tables, queries, forms, reports, macros

TOPIC D: EVALUATING A DATABASE DEVELOPMENT PROJECT

- Design and performance

Unit 6: Website development

TOPIC A: THE PRINCIPLES OF WEBSITE DEVELOPMENT

- Purpose of websites
- Principles of website design
- Media and objects
- Creativity and innovation
- Factors affecting website performance

TOPIC B: DESIGNING A WEBSITE

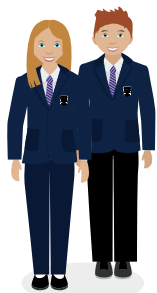
- Purpose design from client brief
- Initial design/prototypes
- Use of ready-made/original assets
- Testing requirements
- Legal and ethical considerations
- Common tools and techniques

TOPIC C: DEVELOPING A WEBSITE

- Client-side scripting languages
- Creating an interactive website
- Website review
- Website optimisation



MANDARIN



**YEAR
7**

INTRODUCTION TO MANDARIN

Grammar content:
• numbers
• nouns
• measure words (个)
• 有/没有

Phonics:
• tones
• i
• iu
• g

**YEAR
8**

1. HOBBIES

Grammar content:
• opinions
• verbs
• adjectives
• time phrases

Phonics:
• x
• ai
• i
• iu

Identity

2. MY HOME

Grammar content:
• measure words (只, 条)
• prepositions (在, 跟)
• comparisons

Phonics:
• ou
• c
• ai

3. FOOD

Grammar content:
• subject pronouns
• conditional tense (想)

Phonics:
• ou
• c
• ai

**YEAR
9**

1. SCHOOL

Grammar content:
• opinions
• telling time
• adjectives
• measure words (件, 双, 条)
• future tense (打算, 要, 想)

Phonics:
• ue
• en
• eng

Identity

1. FAMILY AND HOBBIES

Grammar content:
• Measure words
• Adjectives

Identity

Continuous Grammar:
• Present tense
• Perfect tense (using 了)
• Future tense (using 想, 会, 打算, 要)
• Giving opinions (using 因为...所以)

GCSE

3. HOLIDAYS

Grammar content:
• nouns
• verbs
• complex opinions (虽然...但是)
• past tense (了)

Phonics:
• uo
• un
• oe

Interests

2. TOWN

Grammar content:
• 有 / 没有
• three time frames (今天, 昨天, 明天)
• 跟
• past tense (了)

Phonics:
• uan
• zh
• q

Interests

2. SCHOOL

Grammar content:
• Comparisons
• Adjectives

Study and employment

3. HEALTHY LIVING

Grammar content:
• Word order
• Time phrases

Interests

4. MEDIA AND TECHNOLOGY

Grammar content:
• 一边...一边...

Identity

5. HOME AND REGION

Grammar content:
• Comparisons
• 的, 离

Interests

6. HOLIDAYS

Grammar content:

Interests

7. FOOD AND CELEBRATIONS

Grammar content:

Identity

8. WORK

Grammar content:

Study and employment

9. ENVIRONMENT

Grammar content:
• 的

Interests

**A
LEVEL**

1. EDUCATION

• Languages
• School life
• Pressures
• Studying abroad

Study and employment

2. FAMILY

• Family structure
• One child policy
• Ageing population

Identity

7. SOCIAL MEDIA AND TECHNOLOGY

• Social media trends
• Smartphones
• Internet dependence

Identity

6. ENTERTAINMENT AND CULTURE

• Literature
• Film
• TV
• Music

Identity

5. FESTIVALS AND CUSTOMS

• Traditional Chinese festivals
• Chinese customs and traditions

Identity

4. WORK

• Job opportunities
• Work-life balance

Study and employment

3. FILM STUDY - PLEASE VOTE FOR ME

• Critique
• Characters
• Themes
• Plots

Interests

8. BOOK STUDY - A VERY SPECIAL PIGEON

• Critique
• Characters
• Themes
• Plots

Interests

9. THE ENVIRONMENT

• Environmental issues
• Policies

Interests

10. THE ECONOMY

• "Made in China"
• Designer brands

Interests

11. WORKER MIGRATION

• Rich-poor gap
• Rural vs urban areas
• Migrant workers

Interests

12. CHINA-UK RELATIONS

• School and university exchanges
• Trade and commerce

Interests



MATHS



**YEAR
7**

1. NUMBER
• Factors
• Multiples
• Fractions
• Percentages

2. GEOMETRY
• Shapes
• Units of measure
• Investigating angles
• Perimeter, area, volume

**3. ALGEBRAIC
MANIPULATION**
• Algebraic notation
• Expanding brackets
• Simplifying
expressions

**4. PROPORTIONAL
REASONING**
• Ratio notation

5. ALGEBRA
• Linear sequences
• Non-linear sequences
• Solving equations

6. HANDLING DATA
• Presenting data
• Interpreting data

**YEAR
8**

**7. NUMBER
AND THE
NUMBER SYSTEM**
• Fractions and decimals
• Percentages

**YEAR
9**

15. GEOMETRY
• Constructions
• Shape and conjecturing

14. NUMBER
• Rounding

13. ALGEBRA
• Indices
• Quadratic equations
• Quadratic sequences
• Solving equations and inequalities
• Graphs

**12. HANDLING
DATA**
• Presenting data
• Interpreting data

11. RATIO
• Proportional
reasoning

10. STATISTICS
• Probability

9. ALGEBRA
• Algebraic
manipulation
• Sequences
• Solving equations
• Graphs

8. GEOMETRY
• Visualising and
constructing
• Investigating angles
• Perimeter, area, and
volume of shapes

16. RATIO
• Proportional reasoning

17. STATISTICS
• Probability

18. HANDLING DATA
• Presenting data
• Interpreting data



GCSE

1. NUMBER
• Review of number skills
• Fractions and
percentages
• Ratio and proportion
• Accuracy and bonds

2. ALGEBRA
• Expressions and
solving equations
• Sequences

• Graphs and
coordinate
geometry
• Inequalities
• Trigonometry
• Quadratics

GCSE Higher Tier

3. HANDLING DATA
• Averages and range
• Collecting and
representing data

4. GEOMETRY
• Polygons, angles, and
parallel lines
• Pythagoras' Theorem
and trigonometry
• 2D and 3D

• Volume, cylinders, cones,
and spheres
• Transformations
• Constructions, loci, and bearings
• Circle theorems and geometry
• Vectors and geometric proof



GCSE Foundation Tier

1. NUMBER
• Number powers, decimals, roots,
rounding
• Fractions and percentages
• Reciprocals
• Indices and standard form

2. ALGEBRA
• Expressions
• Equations,
inequalities,
sequences
• Graphs

3. GEOMETRY
• Graphs, tables, charts
• Angles
• Perimeter, area, volume
• Pythagoras
• Transformations

• Trigonometry
• Plans and elevations
• Constructions, loci,
bearings
• 2D
• Vectors

4. HANDLING DATA
• Averages and range

5. RATIO
• Proportion
• Multiplicative
reasoning

6. STATISTICS
• Probability

5. STATISTICS
• Probability
• Collecting data

6. RATIO
• Multiplicative
reasoning
• Direct and indirect
proportion



Pure Maths

• Algebraic expressions and methods
• Quadratics
• Equations and inequalities
• Graphs and transformations
• Circles

• Binomial expansion
• Trigonometric ratios, identities,
equations, functions, modelling
• Vectors
• Differentiation

• Integration
• Exponentials and logarithms
• Sequences and series
• Radians
• Numerical methods

**A
LEVEL**

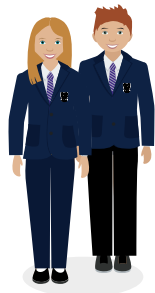
Applied Maths

• Data
• Measures
• Modelling
• Constant and variable acceleration
• Regression and correlation

• Probability
• Forces
• Distributions
• Hypothesis testing
• Moments

• Projectiles
• Further
kinematics





GCSE

- 1. PRINT ADVERTISEMENTS**
- Media language
 - Representations
 - 1950s post war period
 - Public health campaign

- 2. MAGAZINE FRONT COVERS**
- Mainstream magazine production
 - BAME audience
 - Niche publication

- 3. NEWSPAPER FRONT PAGES**
- Audiences
 - Institutions
 - Political bias
 - Phone hacking scandal
 - Hillsborough reporting
 - Media ownership

- 4. FILM MARKETING**
- Media industry
 - Worldwide audiences
 - Websites and branding
 - Bond franchise

- 5. RADIO**
- Audiences
 - Institutions
 - BBC as PSB
 - The Archers

- 6. VIDEO GAMES**
- International media industry
 - Audience implications

- 7. TELEVISION**
- Developing genre
 - Technological developments
 - Representational developments



A LEVEL

- 4. RADIO**
- Media effects
 - Cultivation theory
 - Reception theory
 - Fandom
 - End of audience theories

- 5. NEWSPAPERS**
- Front pages
 - Articles

- 6. VIDEO GAMES**
- Assassin's Creed III Liberation
 - Audience profiling

- 7. TELEVISION IN THE GLOBAL AGE**
- Media framework
 - BBC
 - Postmodernisation

- 3. ADVERTISING**
- Media language
 - Representation
 - Moving image technique

- 2. FILM INDUSTRY**
- Power and media
 - Regulation
 - Cultural industries

- 1. MUSIC VIDEOS**
- Media language
 - Context
 - Formation and Riptide

- NEA**
- Desktop publishing
 - Photography
 - Photoshop
 - Filming, editing, and sound production (option)

- 8. MUSIC**
- Videos and websites
 - Music industry
 - Cross-media platforms



- 9. MEDIA IN THE ONLINE AGE**
- The changing media landscape
 - From youtuber to brand
 - Gender identity

- NEA**
- Meeting a brief
 - Cross-media production





MUSIC



**YEAR
7**

1. RAISE YOUR VOICE

- Making music with your voice
- Musical elements

2. KEYBOARD SKILLS 1

- Keyboard instruments
- How do I perform successfully?
- Keyboard technique

3. BAND TOPIC: CALYPSO

- World music
- Band instrument skills
- Features of Calypso music

4. INSTRUMENTS OF THE ORCHESTRA

- 'Painting a picture in music'
- Programme music



**YEAR
8**

1. KEYBOARD SKILLS 2

- Intermediate Keyboard technique

2. THE BLUES

- The history of the Blues
- Features of Blues
- Band instrument skills

3. VIDEO GAME MUSIC

- Melody writing
- Composing to a brief

**YEAR
9**

4. REMIXES

- Enhancing music with technology
- Manipulating musical elements
- Arrangement

3. BAND TOPIC: 4 CHORD SONG

- Features of popular music
- Band instrument skills
- Songwriting

2. FILM MUSIC

- Composing themes
- Tonality
- Fitting music to an image

1. KEYBOARD SKILLS 3

- Performing complex keyboard pieces

5. INDIAN MUSIC

- World music
- Features
- Raga, Tala and Drone

4. EDM

- Features of electronic dance music
- Using technology to make music



GCSE

1. CONVENTIONS OF POP

- Rock 'n' Roll
- Rock anthems
- Pop ballads
- Solo artists
- Song structure
- Instruments and technology

2. THE CONCERTO THROUGH TIME

- Baroque, Classical and Romantic periods
- Solo instruments
- The orchestra
- Compositional devices

3. FILM AND VIDEO GAME MUSIC

- Types
- Soundtracks
- Western classical tradition
- Resources

4. RHYTHMS OF THE WORLD

- Traditional rhythmic roots
- India and Punjab
- Eastern Mediterranean and Middle East
- Africa
- Central and South America



**A
LEVEL**

NEA

COMPOSITION

- Appropriate briefs
- A successful composition
- Musical elements
- Ideas and inspiration

PERFORMANCE

- A successful performance
- Standard of pieces
- Repertoire
- Practice techniques

Teacher 1

1. INSTRUMENTAL MUSIC OF HAYDN, MOZART AND BEETHOVEN: SECTION A

- Context and development
- Classical instrumental music
- Classical forms and style
- Classical music features

2. CLASSICAL MUSIC: NETWORK STUDY

- Detailed features of a chosen piece
- Comparing performances of a piece
- Historical context

3. INNOVATION IN MUSIC: 1900 TO PRESENT DAY

- Western tradition
- Continuation and development
- 20th Century styles

NEA

COMPOSITION

- Appropriate briefs
- A successful composition
- Musical elements
- Ideas and inspiration

PERFORMANCE

- A successful performance
- Standard of pieces
- Repertoire
- Practice techniques

Teacher 2

1. POPULAR SONG: BLUES, JAZZ, SWING, BIG BAND

- Songs and styles
- Repertoire
- Song structures
- Performing techniques

2. POPULAR SONG: NETWORK STUDY

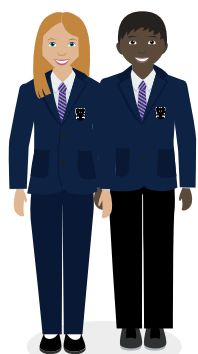
- Detailed features of a chosen piece
- Comparing performances of a piece
- Historical and technological context

3. PROGRAMME MUSIC: 1820-1910

- Programmatic works
- Romantic composers
- Creation and performance



MUSIC TECHNOLOGY



A
LEVEL

1. THE DEVELOPMENT OF RECORDING TECHNOLOGY

- History of how sound is recorded
- Identifying differences in recordings
- How are recordings created?
- Analysing different recording techniques

2. RECORDING AND PRODUCTION TECHNIQUES - CORRECTIVE AND CREATIVE

- How sound is captured using different equipment
- Audio editing
- Recording live instruments
- Creating new sounds

3. PRINCIPLES OF SOUND TECHNOLOGY

- Acoustics
- Leads and signals
- Numeracy
- Levels



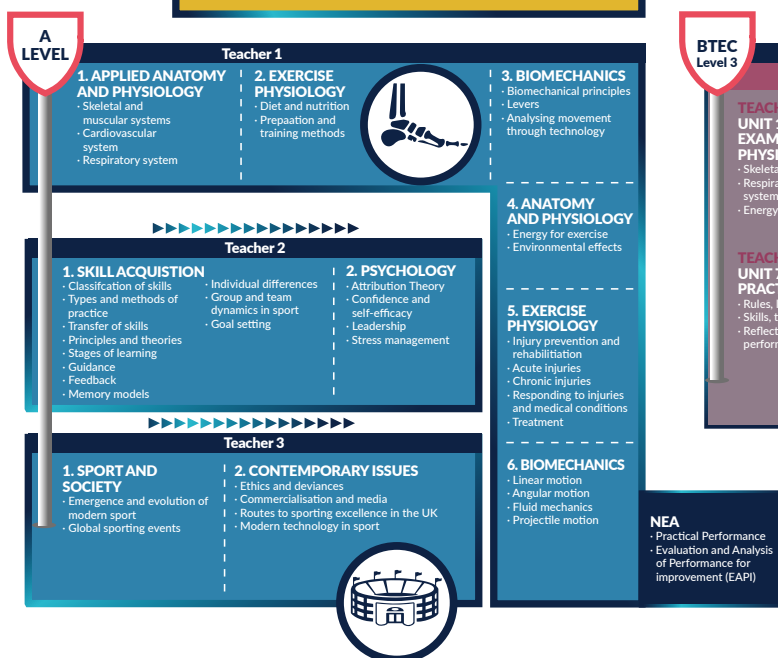
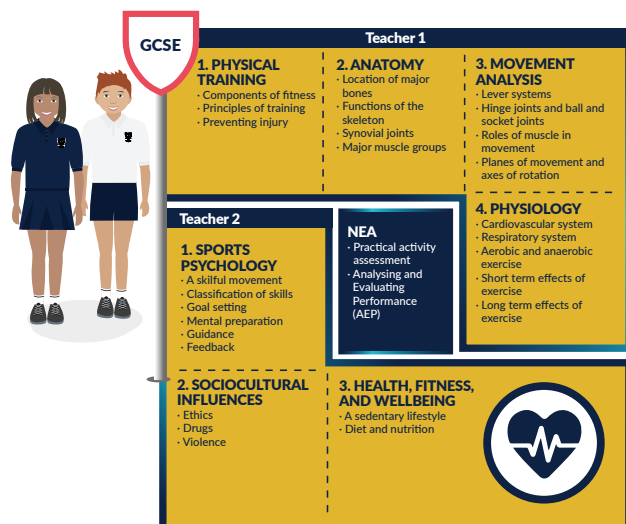
NEA RECORDING

- Use equipment to capture sound
- Manipulate existing sound using technology
- Mix and master recordings

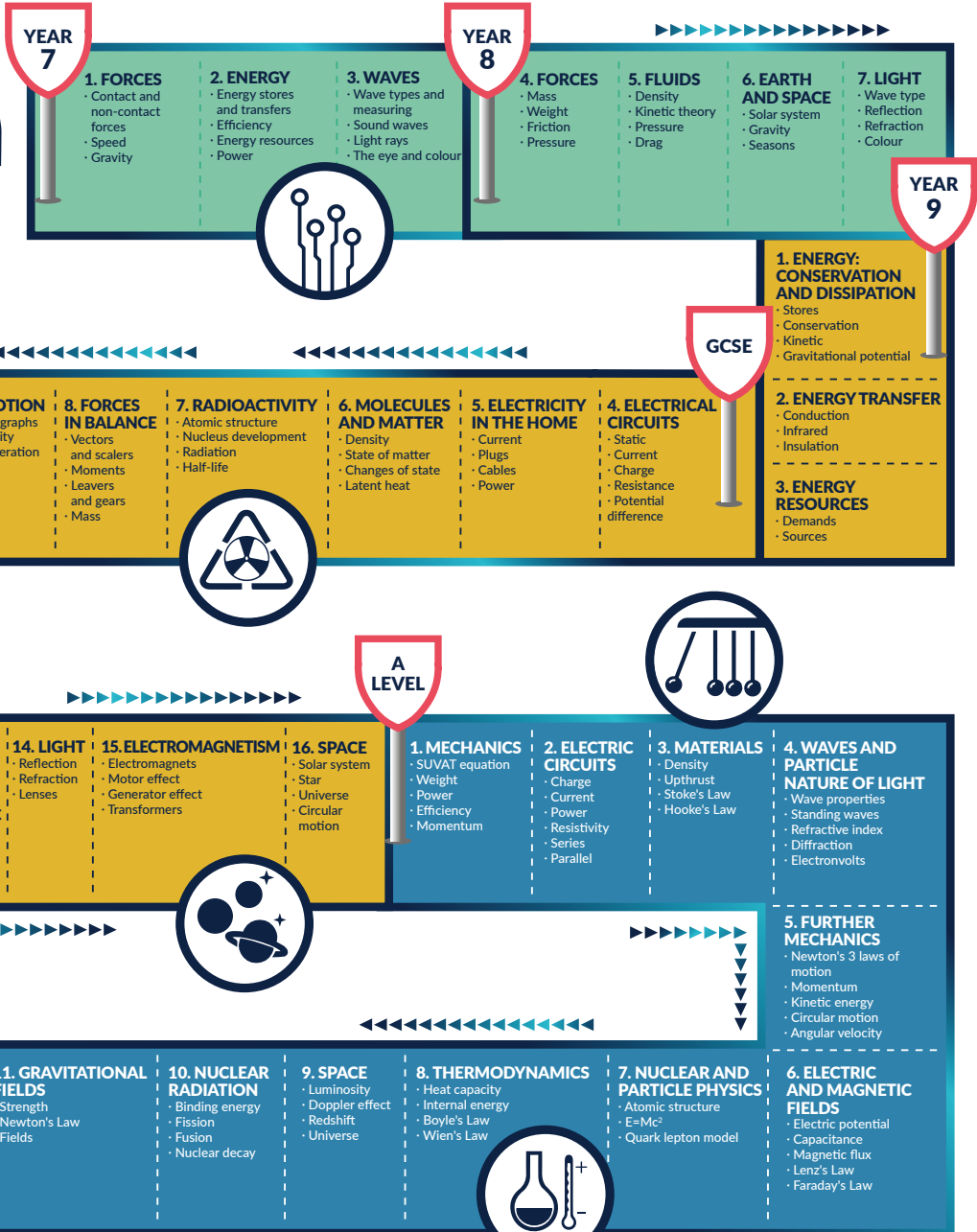
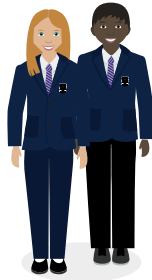
CREATIVE COMPOSITION

- Compose music to fit a brief
- Use synthesis to create and manipulate sounds
- Use sampling to create and manipulate sounds
- Mix and master your composition

PHYSICAL EDUCATION

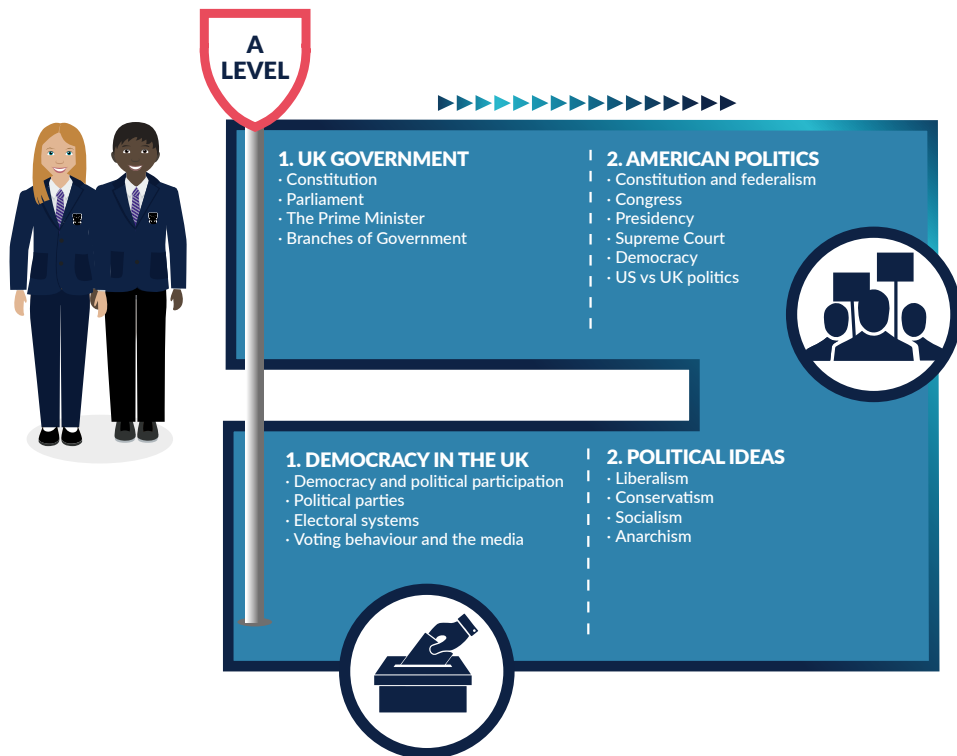


PHYSICS



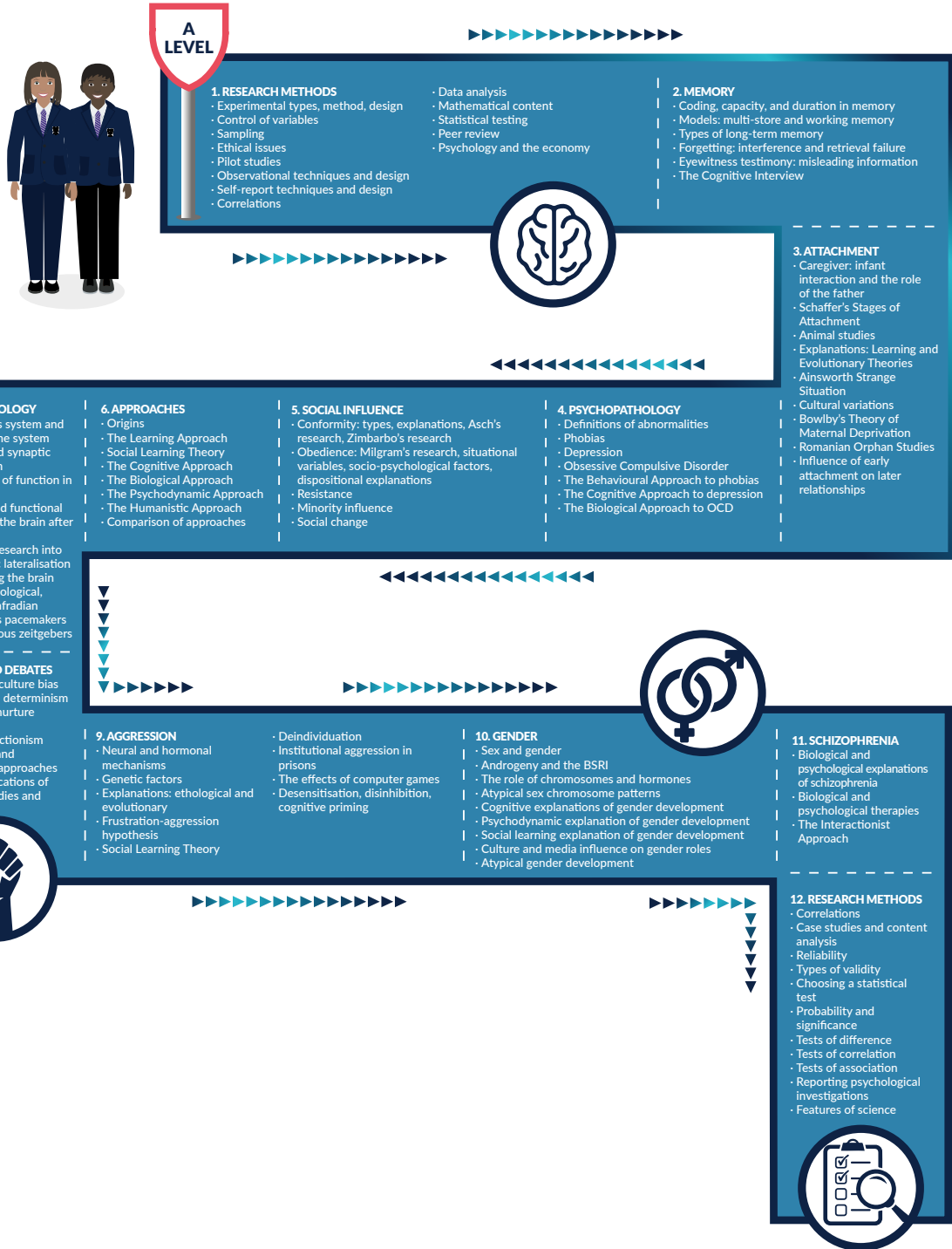


POLITICS

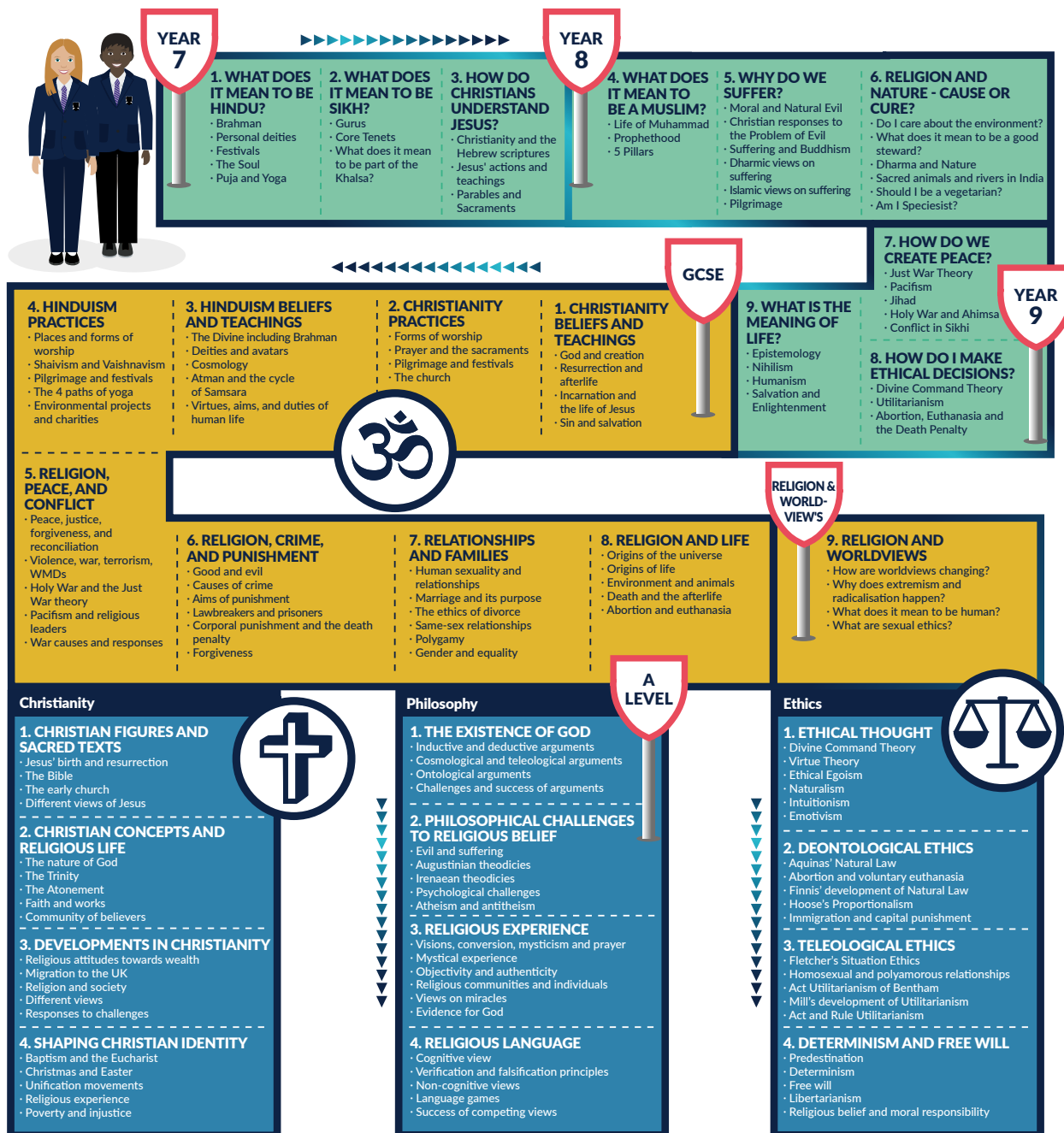




PSYCHOLOGY



RELIGIOUS STUDIES





SOCIOLOGY



GCSE

1. THE SOCIOLOGICAL APPROACH
• Functionalism
• Marxism
• Weber
• Feminism

2. RESEARCH METHODS
• Types of data
• Research process
• Sampling techniques
• Ethical issues

3. FAMILIES AND HOUSEHOLDS
• Family types
• Life course and family structures
• Diversity
• Childhood
• Research methods

4. EDUCATION
• Types
• Functionalist views
• Feminist views
• Social class
• Ethnicity

5. CRIME AND DEVIANCE
• Interactionist
• Marxist
• Feminist
• Sources of crime data
• Ethnicity
• Gender
• Age

6. SOCIAL STRATIFICATION
• Measuring social class
• Life chances
• Class
• Ethnicity
• Poverty
• Political system

3. CRIME AND DEVIANCE
• Official statistics
• Sociological perspectives
• Offenders and victims - CAGE
• Mass media
• Punishment

2. SOCIAL THEORY
• Sociological perspectives
• Functionalism
• Marxism
• Weber
• New right
• Objectivity
• Social policy

1. FAMILIES AND HOUSEHOLDS
• Family structure
• Sociological perspectives
• Diversity
• Demography
• Childhood

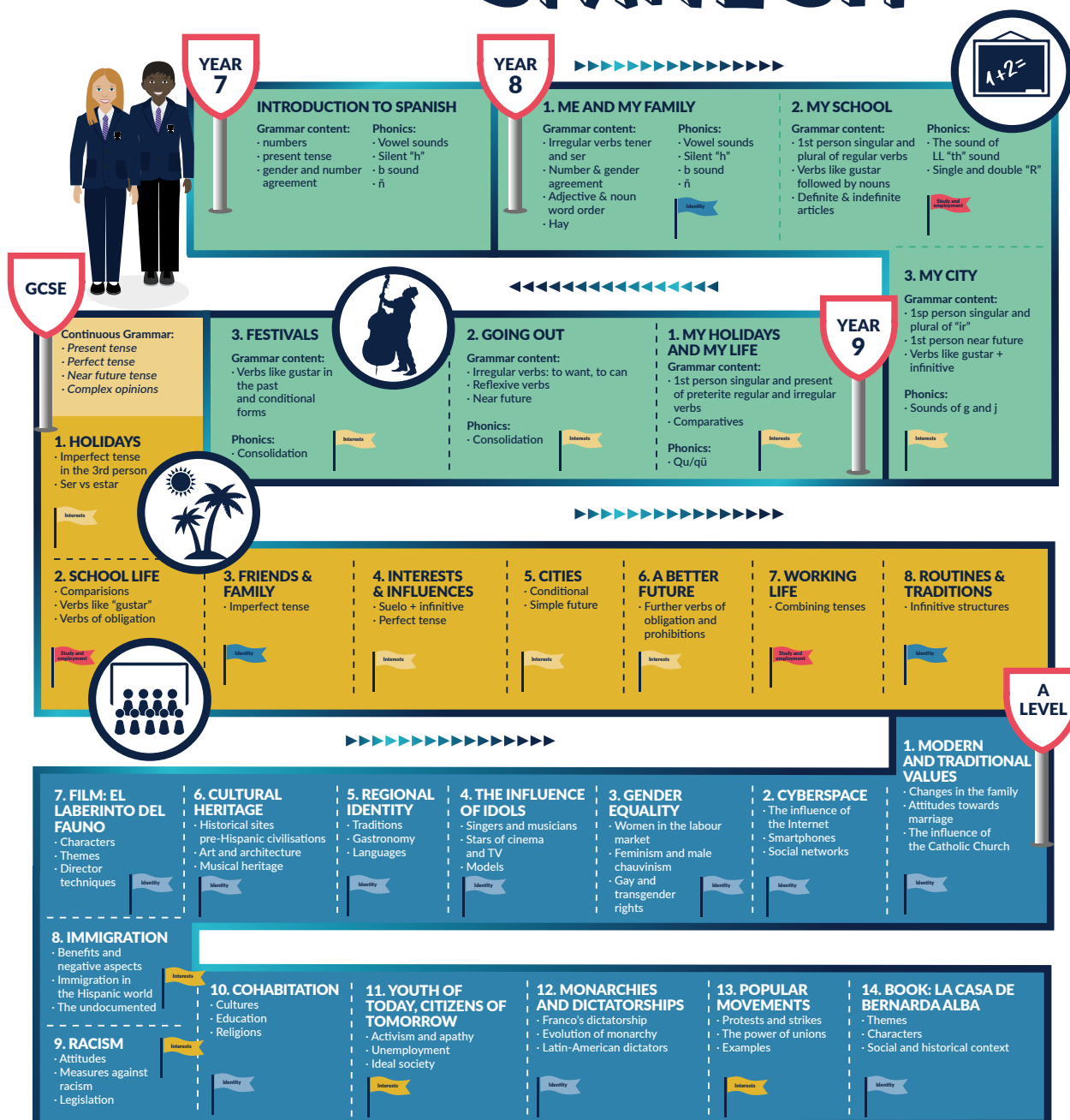
3. BELIEF IN SOCIETY
• Definitions of religion
• Theories of religion
• Secularisation
• CAGE
• Ideology
• New religious movements
• Social groups

2. SOCIOLOGICAL RESEARCH METHODS AND EDUCATION
• Types of data
• Sampling techniques
• Research process
• Interviews
• Questionnaires
• Longitudinal studies
• Statistics
• Ethical issues

1. EDUCATION
• Types in the UK
• Sociological perspectives
• Globalisation
• Social class
• Ethnicity
• Gender
• Identities

A
LEVEL

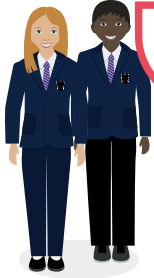
SPANISH





**CHEL TENHAM
BOURN SIDE
SCHOOL**

D&T TEXTILES



**YEAR
7**

1. NIGHT LIGHT

- Safety
- The PCB and electronic components
- Circuit symbols
- Circuit diagrams
- Tools used in electronics
- Soldering
- Input and Output devices

- Joining methods
- Basic sketching techniques
- Using a design specification
- Generating design ideas
- Technical details
- Production plans
- Computer Aided Design (CAD)
- Computer Aided Manufacture (CAM)

2. JUGGLING BALLS

- Safety in the Textiles workroom
- Design briefs
- Specifications
- Graphical presentation
- Fabrics and textiles
- Planning for manufacture

- Working with fabrics
- Sewing machine basics
- Pinning, cutting, joining techniques

**YEAR
8**

3. KITCHEN UTENSIL

- Sustainability - the 6R's
- Materials - natural & man-made timbers
- Carbon footprint
- Life Cycle Analysis (LCA)
- Exploring Contexts
- Product analysis

- Ergonomics & anthropometrics
- Iterative designing
- Specifications
- Shaping materials - bending wood
- Surface finishes for timber
- Presenting designs - isometric
- Testing and evaluation

Design - Make - Evaluate

Design - Make - Evaluate

**YEAR
9**

7.I. WOODEN TOY (FINAL ROTATION)

- Exploring contexts
- Product analysis
- Mechanisms and movement
- User needs
- Specifications
- Strategies to generate designs

- Modelling and refining designs
- Orthographic drawing
- Testing, evaluation and modifications
- Using hand tools and workshop machinery

6. DESIGNER INFLUENCES

- Fashion design
- Developing designs
- Smart materials
- Properties of textiles
- Blended fibres
- Embellishment techniques

5. CHARGING STATION

- Materials - polymers
- 3D perspective drawing
- Rendering materials
- Shaping polymers with heat
- Specifications
- Developing designs

- Iterative modelling
- Presenting designs - perspective
- Computer Aided Design (CAD)
- Computer Aided Manufacture (CAM)

4. SOFT TOY

- Design brief and specification
- Decoration methods
- Iterative design
- Pattern development
- Materials and components
- Sewing machine basics

- Appliqué and embroidery
- Pinning, cutting, joining techniques
- Testing and evaluating
- Quality control and batch production
- Social, moral, and environmental factors
- User trials and modifications

Design - Make - Evaluate

7.II. KANDINSKI CUSHION (FINAL ROTATION)

- Designers and Artists
- Surface decorations for textiles
- Design brief and specification
- Sustainability in fashion and textiles
- Social, moral, and environmental factors
- Production plan
- Evaluation

GCSE

1. IN DEPTH MATERIALS: FABRICS AND TEXTILES

- Sources and origins
- Function, aesthetics, cost
- Environmental, social, cultural, ethical factors
- Embellishment Techniques
- Construction Techniques
- Scales of production

2. SMART MATERIALS, COMPOSITES, AND TECHNICAL TEXTILES

- Types of smart materials
- Types of composite
- Types of technical textiles
- Enhancing the function of products

3. D&T IN OUR WORLD

- New and emerging technologies
- Environmental impact
- Sustainable design and manufacture
- Legislation
- Consumer rights and protection
- Moral and ethical factors
- CAD and CAM applications

4. CAD AND CAM

- Fashion design
- Dye sublimation
- CNC embroidery
- Laser cutting

Design - Make - Evaluate

Design - Make - Evaluate

**A
LEVEL**

1. MATERIALS AND COMPONENTS

- Working characteristics of materials
- Specific properties
- Modern material technology
- Components and application
- Safe working practices

NEA

- Writing a design brief and specification
- Developing and modelling a prototype
- Manufacturing a prototype
- Testing, analysis, evaluation

8. MATERIALS

- Papers and boards
- Natural and manufactured timbers
- Ferrous and non-ferrous metals
- Thermoforming and thermosetting polymers
- Natural, synthetic, blended, mixed fibres
- Woven, non-woven and knitted textiles

7. MECHANICAL COMPONENTS AND DEVICES

- Types of movement
- Mechanical systems
- Magnitude and direction of forces and movement
- Mechanical systems in everyday products

6. ELECTRONIC SYSTEMS AND PROGRAMMABLE COMPONENTS

- Electronic components and circuits
- Control system: input, process, output, feedback
- Analogue and digital signals and interfacing
- Programming techniques

5. DESIGNING STRATEGIES

- Graphical presentation methods
- Collaborative design approach
- Iterative design approach
- User-centred design approach
- Systems design approach
- Modelling

2. PROCESSES

- Hand methods
- Machine methods
- Combining and forming materials
- CAM

3. DESIGN AND INNOVATION

- Principles
- Research techniques
- Ergonomics and anthropometrics
- Computer systems for designing
- Communicating ideas and information

4. INDUSTRIAL PROCESSES AND COMMERCIAL PRACTICE

- Manufacturing systems
- Stages of production
- Detailed manufacturing methods
- Management systems
- Safety

5. PRODUCT ANALYSIS AND SYSTEMS

- Design and production
- Form and function
- Trends and influences on design
- Intellectual Property and Standards
- Systems and sub-systems

6. HUMAN RESPONSIBILITY

- Regulatory frameworks
- Risk assessment procedures
- Values in design solutions
- Forms of energy
- Responsibilities
- Quality

7. PUBLIC INTERACTION

- Market innovation
- Market research
- Selling the product
- Product diffusion
- Determining product marketability

NEA

- Identifying and investigating possibilities
- Developing a design brief and specification
- Generating and developing design ideas
- Manufacturing a prototype
- Testing, analysis, evaluation



**CHELTENHAM
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