



OUR STUDENT LEARNING JOURNEY

BY SUBJECT - 2025/26







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.

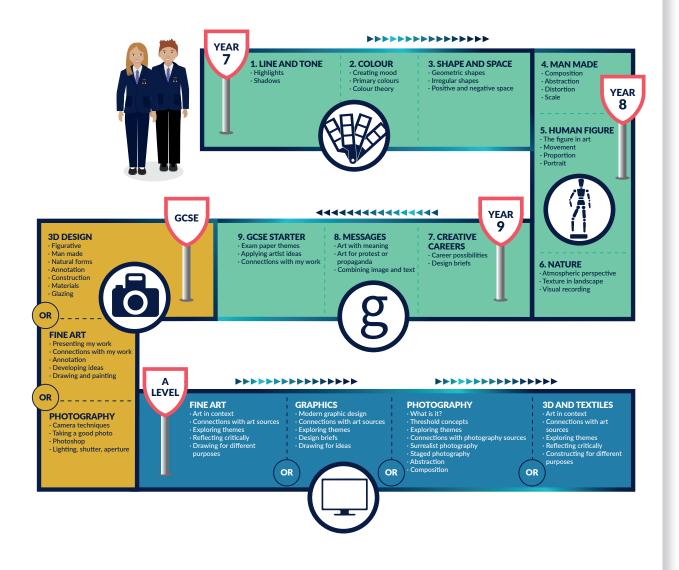
We hope you enjoy exploring what your child is learning at Cheltenham Bournside School and hearing all about it when they return home!

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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

- of the moon
- Principal lunar observations
- Synchronicity and lunar libration

THE EARTH-MOON-SUN SYSTEM

- Relative size and distances
- Fuclid 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

- 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
- 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

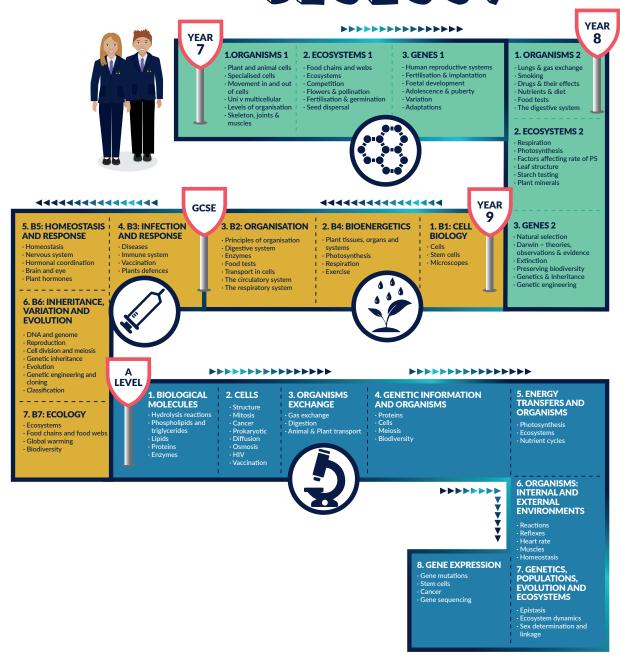
COSMOLOGY

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



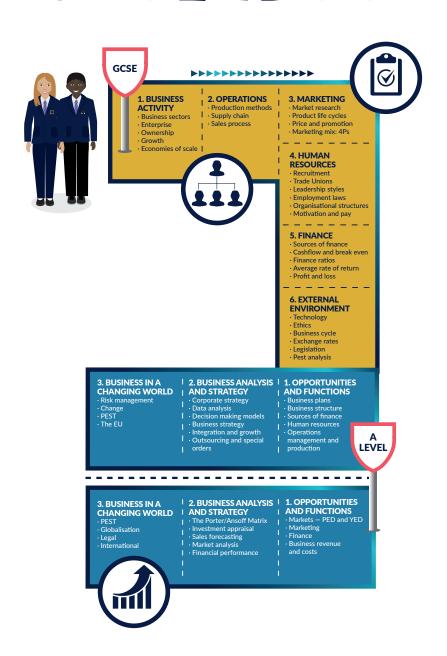


BIOLOGY





BUSINESS









YEAR 7-9

1. INSPIRATIONAL AND MOTIVATIONAL JOBS

Learning from career and labour market information Addressing the needs of each young person

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INTERVIEWS

EXTRA CURRICULAR

1. YEAR 10

EXPERIENCE

WORK

STEREOTYPES

Learning from career and labour market information
 Addressing the needs of each young person

4. UNDERSTANDING THE GREEN REVOLUTION

Learning from career and labour market information
 Linking curriculum learning to careers

8. BOURNSIDE

CAREERS FAIR

Encounters with employers and employees Encounters with further and higher education

5. EXPLORING GCSE OPTION CHOICES AND DIFFERENT CAREERS



YEAR

10-11

6. RAISING ASPIRATIONS VIA UNIVERSITY INTERACTIONS

3. INSPIRE 2. YEAR 10 GROUP CAREERS

RRFAKFAST

- Linking curriculum learning
- Encounters with employers

4. YEAR 11 1:1 CARFERS GUIDANCE

Addressing the needs of each young person Personal Guidance

INTERVIEWS

Addressing the needs of each young person Encounters with employers and employees

- **DESTINATIONS**
- Higher Education

Learning from careers and labour market information

9. EMPLOYER VISITS

Linking curriculum learning to careers Encounters with employers and employees

learning to careers

CAREERS FAIR Encounters with employe and employees Encounters with Further and Higher Education

1. POST-18 DESTINATIONS Linking curriculum learning to careers Encounters with Further and Higher Education

2. UNIFROG

Learning from careers and labour market information
 Addressing the needs of each young person

3. YEAR 12 WORK **EXPERIENCE**

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9. EMPLOYABILITY SKILLS

8. CAREERS FAIRS AND EXHIBITIONS

inspire

LECTURES

learning to careers
Encounters with
employers and employe

GUIDANCE INTERVIEWS

5. YEAR 12 & 13 1:1 CAREERS

person Personal Guidance

4. YEAR 13 MOCK INTERVIEWS

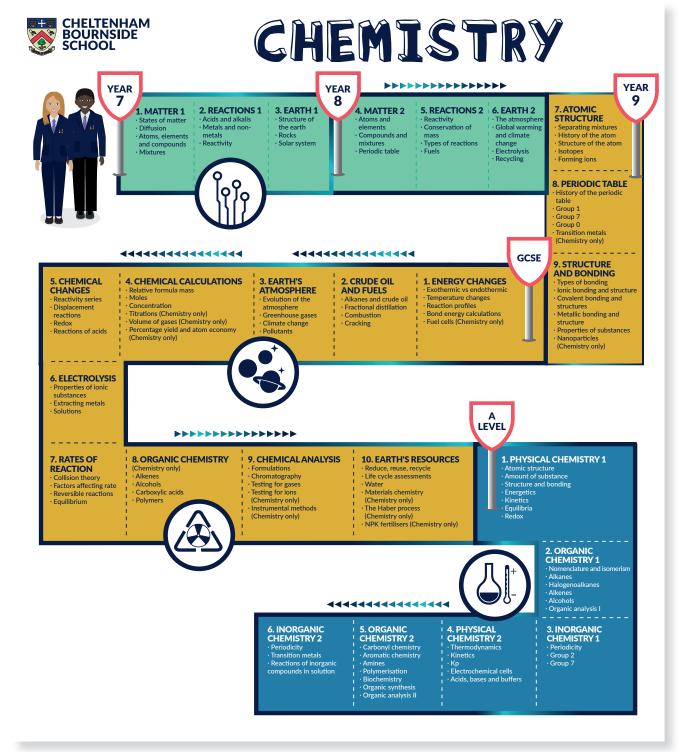


SIXTH

FORM

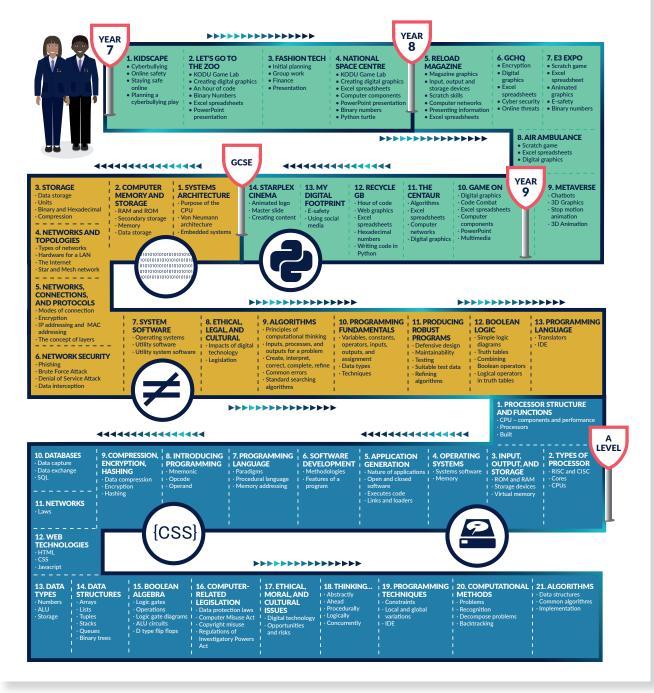
6. CV WRITING



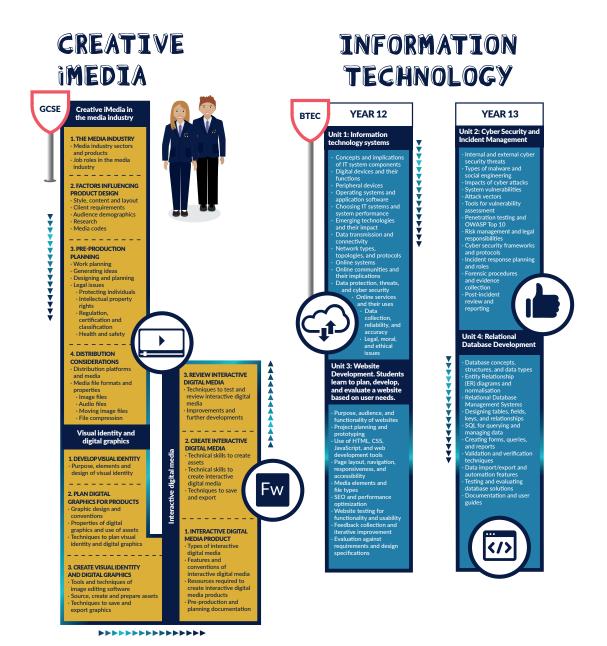




COMPUTER SCIENCE

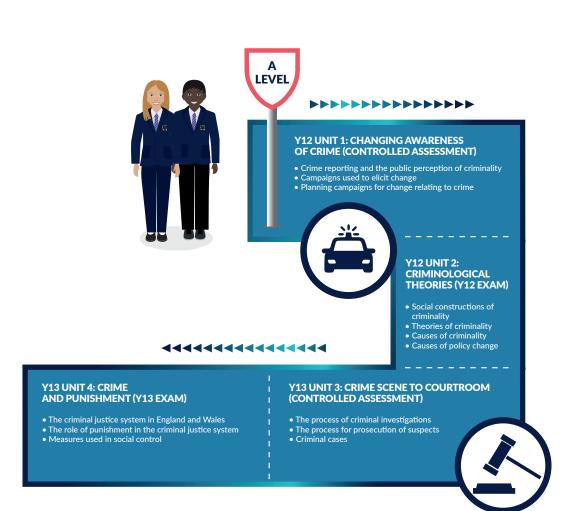






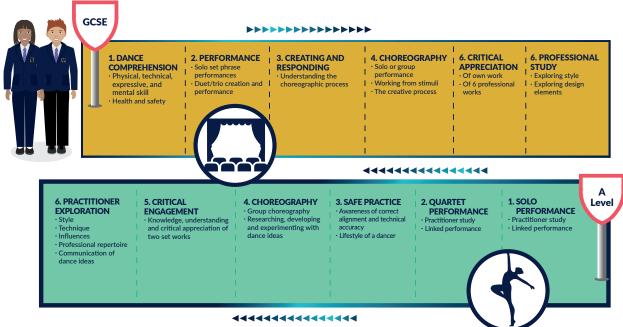


CRIMINOLOGY

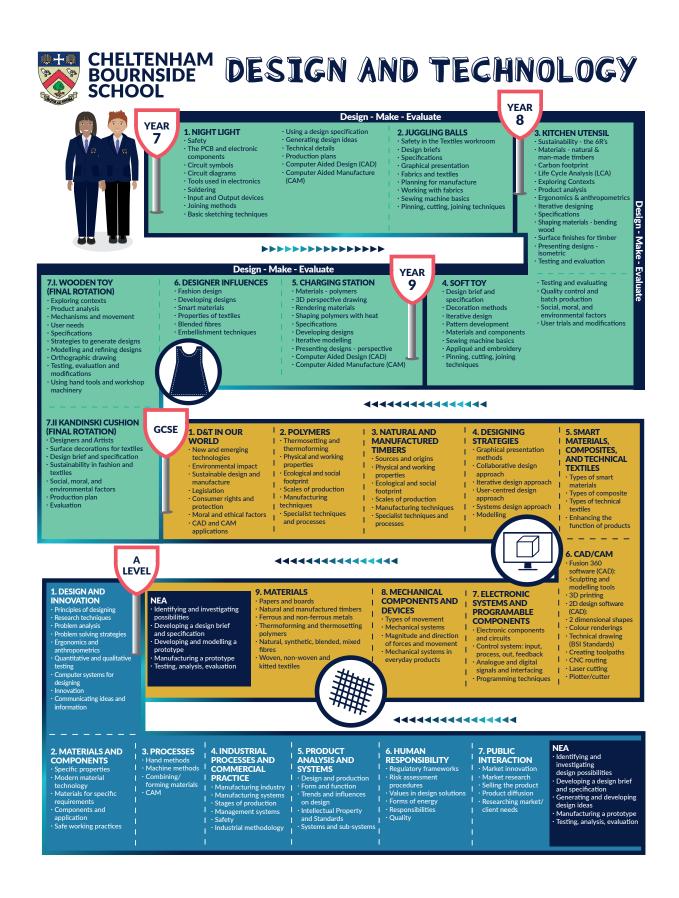




DANCE



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D&T TEXTILES

Design - Make - Evaluate



1. NIGHT LIGHT

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

Design - Make - Evaluate

- Computer Aided

 Manufacture (CAM)

2. JUGGLING BALLS

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

- workroom

 Design briefs

 Specifications

 Graphical presentation

 Fabrics and textiles

 Planning for
 manufacture

YEAR 8

YEAR

9

3. KITCHEN UTENSIL

- 3. KII CHEN UTENSIL

 Sustainability the 6R's Ergonomics & anthropometrics
 man-made timbers (terative designing Specifications Shaping materials bending wood Exploring Contexts Product analysis Presenting designs isometric Testing and evaluation

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7.I. WOODEN TOY (FINAL ROTATION)

6. DESIGNER **INFLUENCES**

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

5. CHARGING STATION

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

Materials - polymers

>>>>>>>>>>

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

4. SOFT TOY

Appliqué and embroidery Pinning, cutting, joining techniques Testing and evaluating Quality control and

- batch production
 Social, moral, and
 environmental fac
 User trials and
 modifications

7.II. KANDINSKI CUSHION (FINAL ROTATION)

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

- TECHNICALTEXTILES
- Types of smart materials Types of composite Types of technical textiles

3. D&T IN OUR WORLD

- New and emerging technologies Environmental impact Sustainable design and manufacture

- Legislation

 Consumer rights and

4. CAD AND CAM

CAD and CAM applications

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LEVEL 1. MATERIALS

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

- 8 MATERIALS NEA
- Writing a design brief and specification
 Developing and modelling a prototype
 Manufacturing a
- prototype

 Testing, analysis,
 evaluation

- Papers and boards Natural and manufactured timbers
- Ferrous and non-ferrous metals

7 ΜΕCΗΔΝΙCΔΙ COMPONENTS AND

DEVICES

- Magnitude and direction of
- in everyday products

forces and movement

6. ELECTRONIC SYSTEMS AND PROGRAMMABLE

- COMPONENTS

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

- Laser cutting

5. DESIGNING

- STRATEGIES Graphical presentation
- Collaborative design
- approach Systems design approach

Modelling

- 3. DESIGN AND INNOVATION
- INNOVATION

 Principles

 Research techniques

 Ergonomics and
 anthropometrics

 Computer systems
 for designing

 Communicating ideas
 and information

- COMMERCIAL PRACTICE

6. HUMAN RESPONSIBILITY

7. PUBLIC INTERACTION

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

4. INDUSTRIAL PROCESSES AND

5. PRODUCT ANALYSIS AND SYSTEMS

on design Intellectual Property

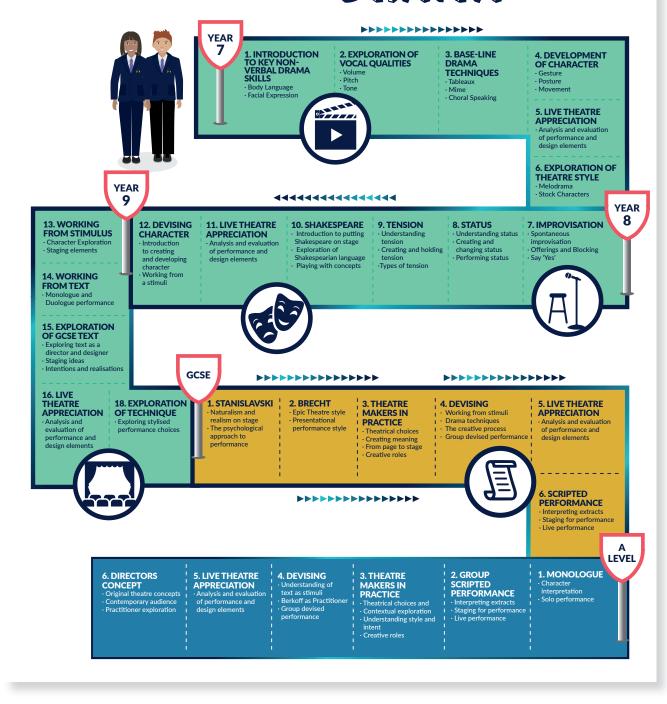
and Standards

Systems and sub-systems

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



DRAMA



2. ENTERPRISE, BUSINESS AND THE ECONOMY

3. MARKETS

Demand theory
Supply theory
Price determination
Consumer behaviour
Competition analysis

4. ENTERPRISE, BUSINESS AND THE ECONOMY

5. MARKET FAILURE AND GOVERNMENT INTERVENTION

• Why markets fail
• Government intervention
• Government failure

6. REVENUE, COSTS AND PROFIT

7. COMPETITION AND MARKET POWER

9. MACROECONOMIC POLICIES

1. BUSINESS GROWTH AND COMPETITIVE ADVANTAGE

Objectives & types of growth Corporate culture

Corporate culture Problems associated with business growth (small versus big) R&D and innovation The digital economy

LIFE IN A GLOBAL ECONOMY
 Introduction to globalisation
 Developed, emerging and developing economies
 International trade

6. GLOBALISATION

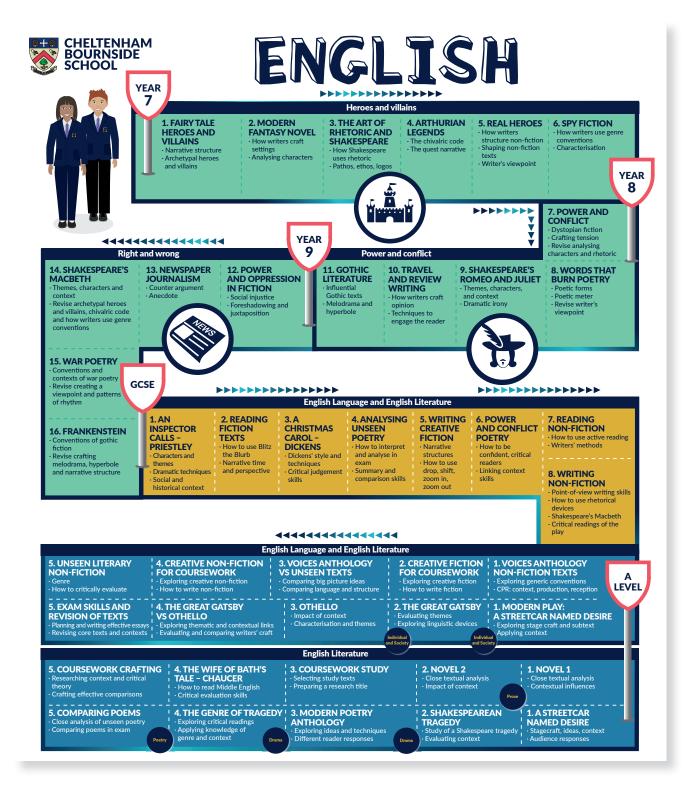
Growing economies

Trading blocs

Trade policy and negotiations
Exchange rates

The Eurozone

9. GLOBAL LABOUR MARKETS
- Employment patterns
- Wage determination
- Skills shortages and migration





7

EDUCATION 4 LIFE



HEALTH & WELLBEING TRANSITION AND SAFETY

- Transition to secondary school, letter to future self, friendships Personal safety: In and outside of school, risk taking behaviour 5 tudy Skillis: How do I learn? Personal strengths Basic first aid: Bleeding
- LIVING IN THE WIDER WORLD FINANCIAL DECISION MAKING

RELATIONSHIPS -

RELATIONSHIPS - BUILDING RELATIONSHIPS

Bullying: Signs and effects, online

YEAR 8



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HEALTH & WELLBEING -EMOTIONAL WELLBEING

- Sexting: risks Self harm: Unhealthy coping
- strategies Eating disorders: risks

RELATIONSHIPS - DISCRIMINATION

stereotypes
Homophobia: Recognise
and challenge
Hate crime: Racism

LIVING IN THE WIDER WORLD - COMMUNITY AND CAREERS

- 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

HEALTH & WELLBEING HEALTH AND

- 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

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

RELATIONSHIPS - IDENTITY AND RELATIONSHIPS

Contraception: Introduction to basic for

LIVING IN THE WIDER WORLD -ONLINE SAFETY

YEAR 9

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

LIVING IN THE WIDER WORD -EMPLOYABILITY SKILLS

HEALTH AND WELLBEING HEALTHY LIFESTYLE

- 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

RELATIONSHIPS - ADDRESSING EXTREMISM AND RADICALISATION

RELATIONSHIPS - HEALTHY

LIVING IN THE WIDER WORLD -PREPARATION FOR WORKPLACE/

- Careers: work experienc Careers: health & safety
- Careers: readiness for wo

HEALTH & WELLBEING **EXPLORING INFLUENCE**

- LIVING IN THE WIDER WORLD
- FINANCIAL DECISION MAKING



HEALTH & WELLBEING - MENTAL HEALTH

YEAR

- Mental health Negative thinking Managing challenges

RELATIONSHIPS - INTIMATE RELATIONSHIPS

- condoms
 Relationships: media
 portrayal and pornography
 Managing risk: sexual

YEAR 11

LIVING IN THE WIDER WORLD - NEXT STEPS

- Options post-16 Rights and responsibilities

HEALTH & WELLBEING -BUILDING FOR

techniques Stress manageme

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 cafety
- Managing risk and person safety Emergency First Aid Accessing health services Self examination

RELATIONSHIPS -

- RELATIONSHIPS FAMILIES

 Pregnancy, birth, and miscarriage

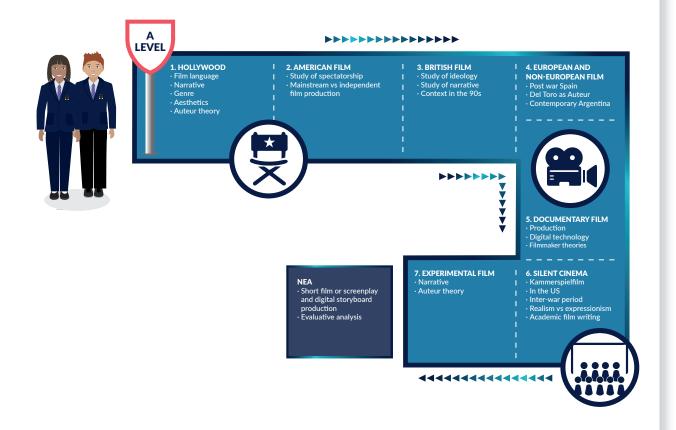
 Adoption and fostering

 "Honour based" violence and forced marriage

 Bereavement

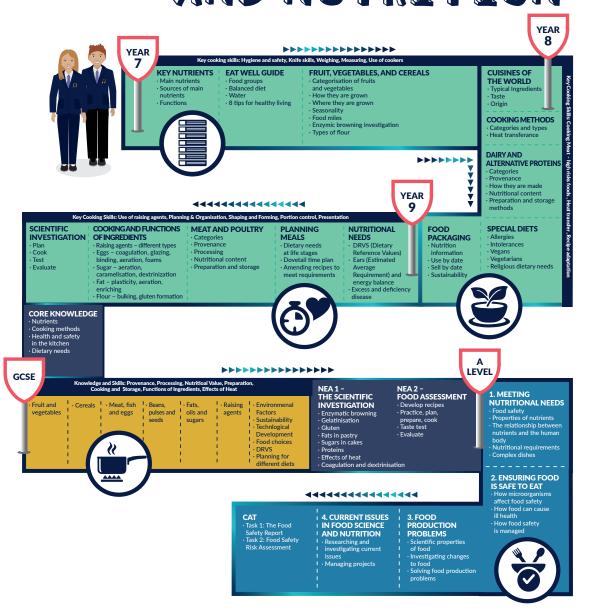


FILM STUDIES



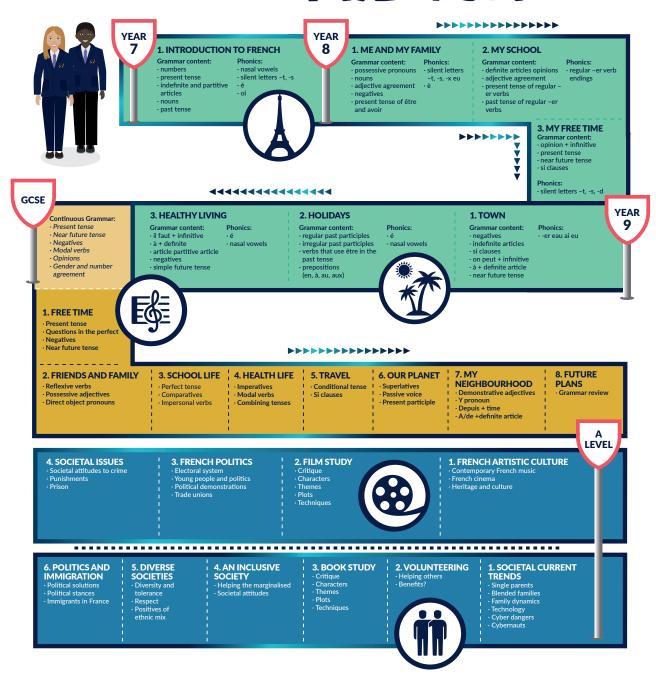


FOOD PREPARATION AND NUTRITION



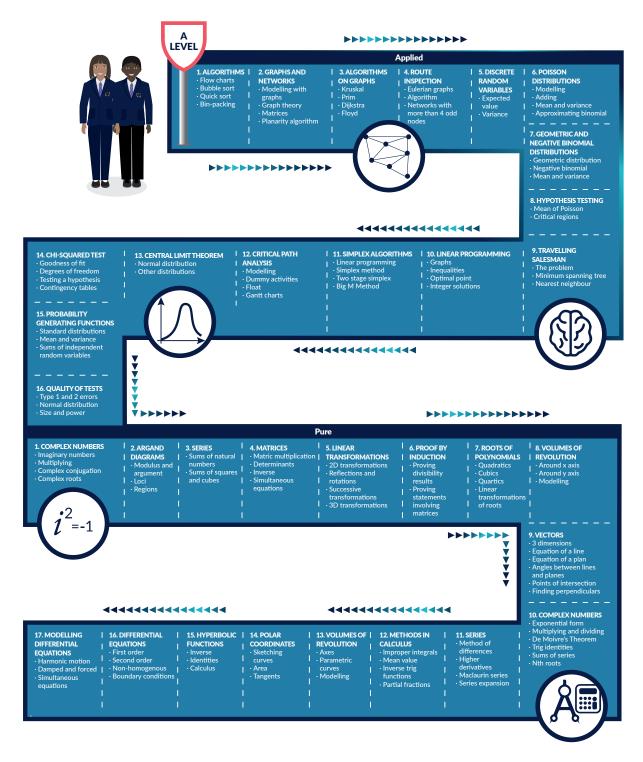


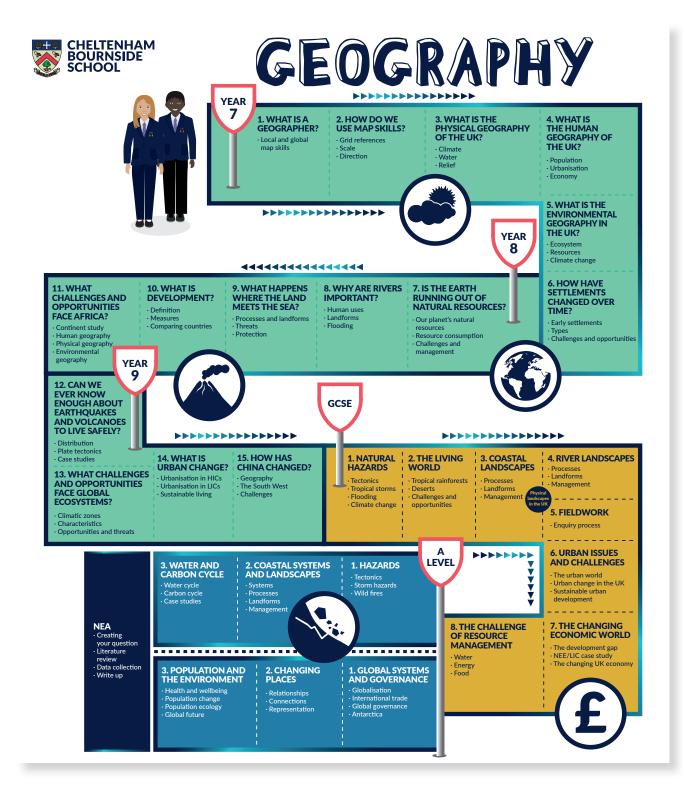
FRENCH





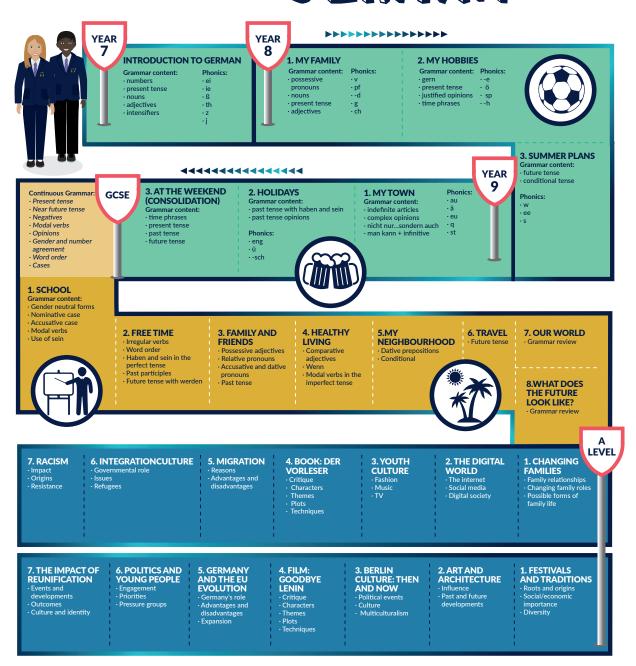
FURTHER MATHS





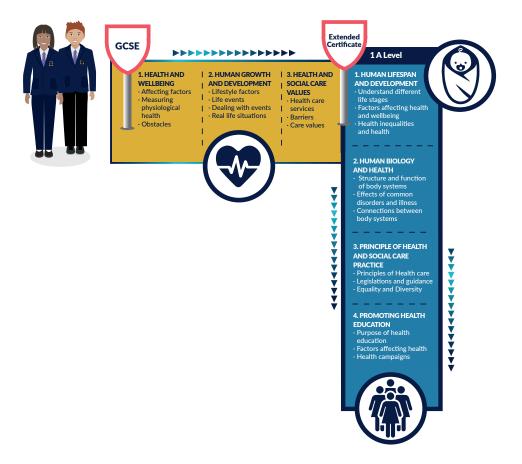


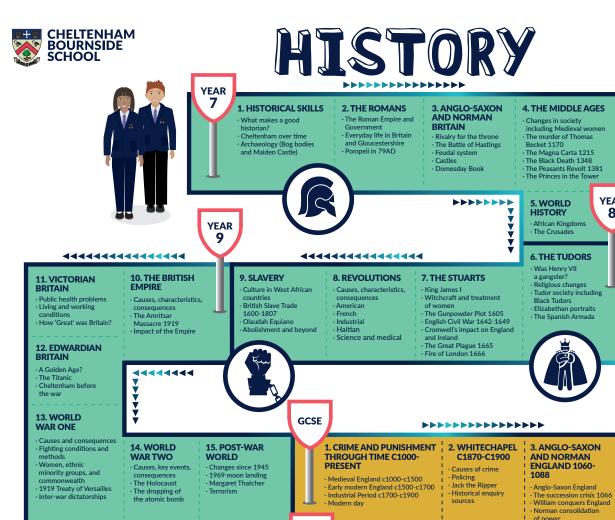
GERMAN





HEALTH AND SOCIAL CARE





2. THE TUDORS: REBELLION **AND DISORDER 1485-1603**

- Breadth study of government, church and localities
 The succession of Henry VII 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 1918-1997

LEVEL

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

...........

Political and economic environment Creation of the welfare state Society in transition Quality of life Margaret Thatcher's governments, John Major and Tony Blair

2. AMERICAN CIVIL RIGHTS

RIGHTS
Abraham Lincoln, Booker T Washington,
William Du Bois, Rosa Parks,
Martin Luther King, Malcolm X
Abolition of Salvery, Jim Crow Laws,
The NAACP, Montgomery Bus Boycott,
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

Jepsession and the New Deal 1929-1938 Impact of the New Deal and the Second World War on the USA 1945-1955 Transformation of the USA 1945-1955

4. THE MIDDLE AGES

YEAR

8

African Kingdon
The Crusades

6. THE TUDORS

- Was Henry VII
 a gangster?
 Religious changes
 Tudor society including
 Black Tudors
- Elizabethan portraits The Spanish Armada



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Rebellions How the Normans changed England William, Lanfranc and Rufus vs Curthose and Odo

4. THE AMERICAN WEST C1835-1895

- ine Plains Indians (indigenous people or native Americans Early migrants and settlers Conflict on the Plains from the 1840s
- Law and order in the West Farming and ranching Destruction of the Native American way of life by 1895

INFORMATION TECHNOLOGY



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Unit 1: Information technology systems

TOPIC A: DIGITAL DEVICES IN IT

BTEC

- TOPIC B: TRANSMITTING DATA

TOPIC C: OPERATING

- 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

TOPIC B: DEVELOPING A PLAN TO USE SOCIAL

MEDIA IN BUSINESS - Social media planning

- 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

- SOCIAL MEDIA IN
 BUSINESS
 Creating accounts and profiles
 Content creation and configuration
 Online community building
 Data gathering and analysis

Unit 6: Website development

TOPIC A: THE PRINCIPLES

- design Media and objects

TOPIC B: DESIGNING

TOPIC C: DEVELOPING A WEBSITE Client-side scripting

- 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

</>

- TOPIC D: PROTECTING
 DATA AND INFORMATION
 Threats to data,
 information, and systems
 Protecting data from
 hackers, phishing, and
 viruses

SYSTEMS

- 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

TOPICA: RELATIONAL DATABASE MANAGEMENT

- DATABASE MANAGEMENT SYSTEMS Microsoft Access Database development terminology Standards Concepts and processes

TOPIC B: DESIGNING RELATIONAL DATABASE SOLUTIONS

Methods and techniques

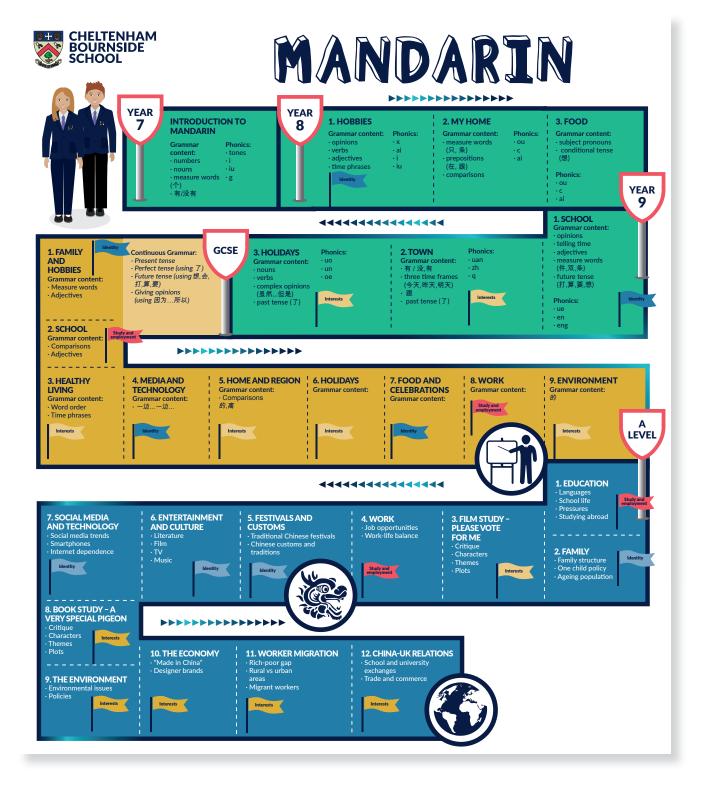
TOPIC C: CREATING A RELATIONAL DATABASE STRUCTURE • Creating tables, queries, forms, reports, macros

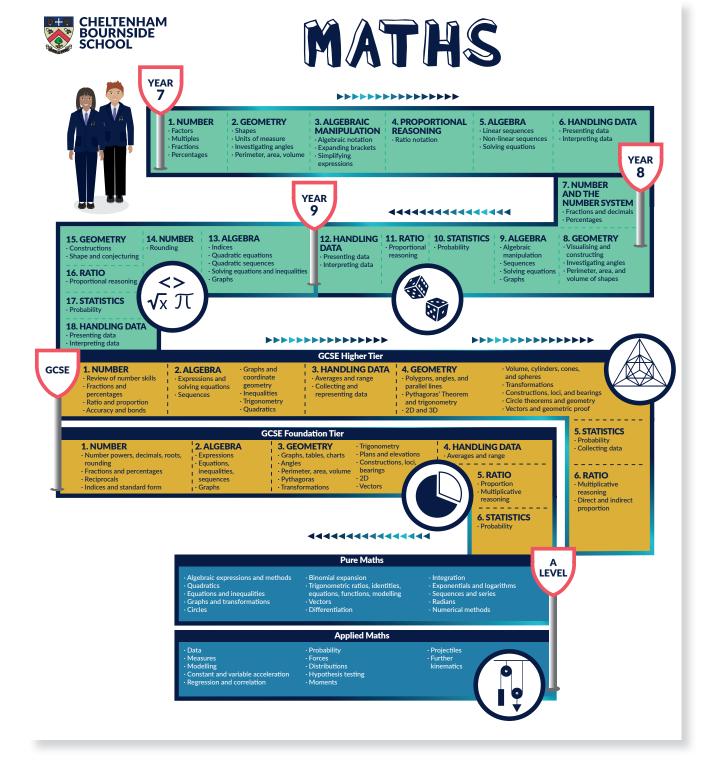
TOPIC D: EVALUATING A

DATABASE DEVELOPMENT PROJECT

Design and performance

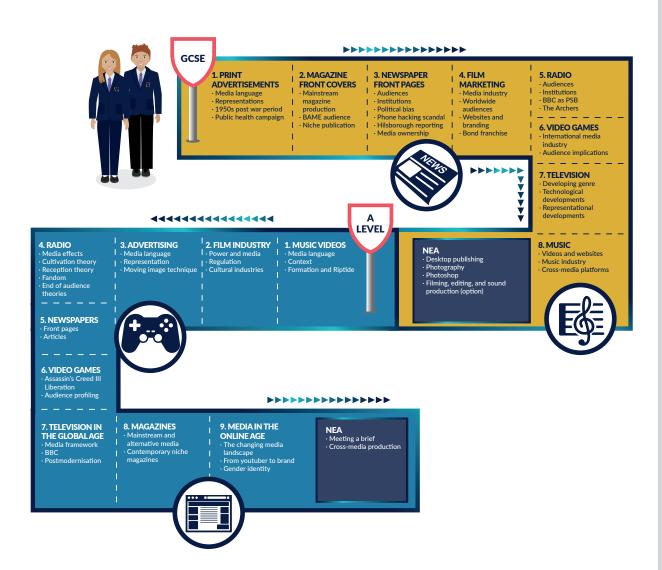






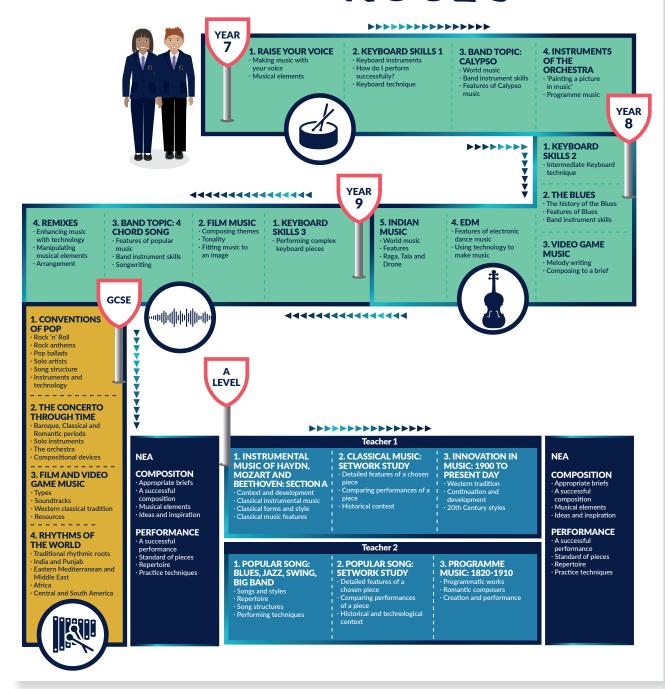


CHELTENHAM BOURNSIDE MEDIA STUDIES SCHOOL





MUSIC





MUSIC TECHNOLOGY



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**

- Levels



RECORDING

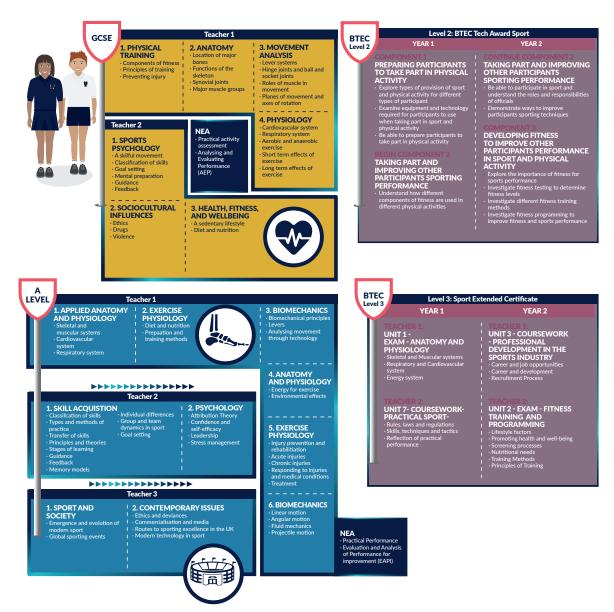
- · Use equipment to capture sound
- · Manipulate existing sound using technology
- · Mix and master recordings

CREATIVE COMPOSITION

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

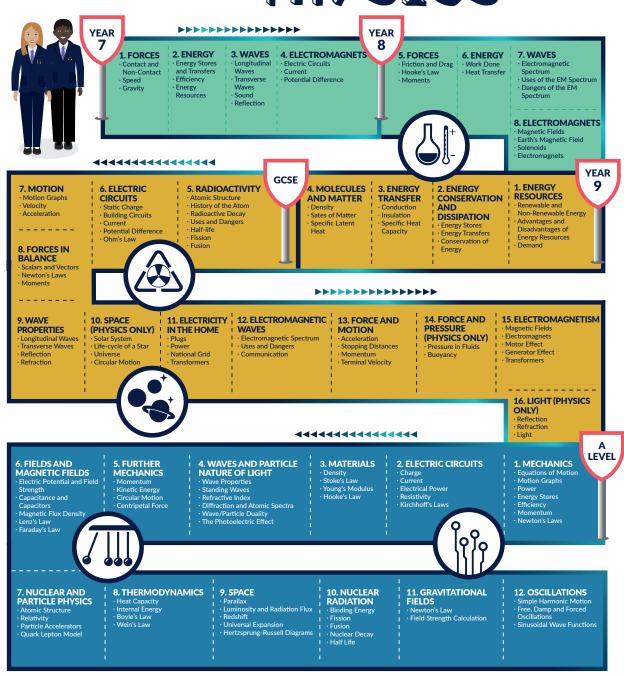


PHYSICAL EDUCATION



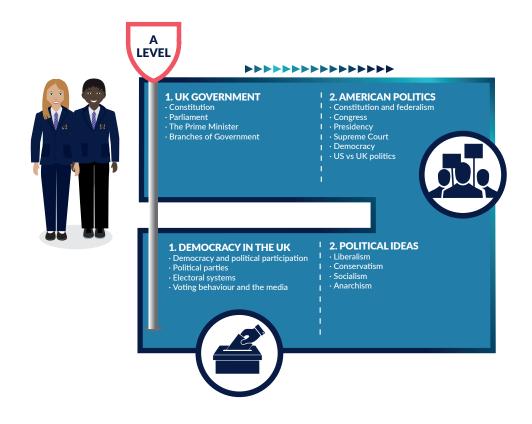


PHYSICS





POLITICS





PSYCHOLOGY



A LEVEL

1. SOCIAL INFLUENCE

- Types of conformity Explanations for conformity
- Asch Explanations for obedience: Agentic state and legitimacy of Authority, and situational variables. Proximity and location and uniform. Dispositional explanation for obedience Explanations of resistance to social influence Minority influence

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5. RESEARCH METHODS YEAR 1

- Experimental designs Pilot studies

- Self-report techniques Correlations
- The role of peer review in the
- The implications of psychological research for the economy.

 Quantitative and qualitative data

- Presentation and display of quantitative data

4. CLINICAL PSYCHOLOGY

- A. CLINICAL PSYCHOLOGY
 AND MENTAL HEALTH
 Definitions in the field of mental health
 The behavioural, emotional and cognitive characteristics of phobias, depression and obsessive-compulsive disorder (OCD).
 The behavioural approach to explaining and treating phobias
- The cognitive approach to explaining and treating depression. The biological approach to explaining and treating OCD

- memory; coding, capacity and duration.

- Factors affecting the accuracy of eyewitness testimony

- Animal studies of attachment
 Explanations of attachment: learning theory and Bowlby's monotropic theory

- Effects of institutionalisation
- The influence of early attachment on childhood and adult relationships

6. APPROACHES IN PSYCHOLOGY

7. BIOPSYCHOLOGY

- The divisions of the nervous system: central and peripheral (somatic and autonomic).
 The structure and function of sensory, relay and motor neurons Synaptic transmission, neurotransmitters, excitation and inhibition. The endocrine system
 The fight or flight response
 Ways of studying the brain
 Localisation of function in the brain and hemispheric lateralisation Plasticity and functional recovery of the brain after trauma

| 8. ISSUES AND DEBATES

- Free will and determinism
 The nature-nurture debate
- · Holism and reductionism
- Social sensitivity in psychological research

- onal mechanisms in aggression

- Institutional aggression in the context of prisons
 Media influences on aggression, including the effects of computer
 games, desensitisation, disinhibition and cognitive priming

- 10. GENDER

 The role of chromosomes and hormones in biological sex. Diversity in sex development

 Klinefelter's syndrome and Turner's syndrome.

 Gender identities

 Biological explanations of gender development

 Cognitive explanations of gender development,

 Social learning theory as applied to gender development. The influence of culture and media on gender roles.

 Gender incongruence: biological and social/cultural explanations

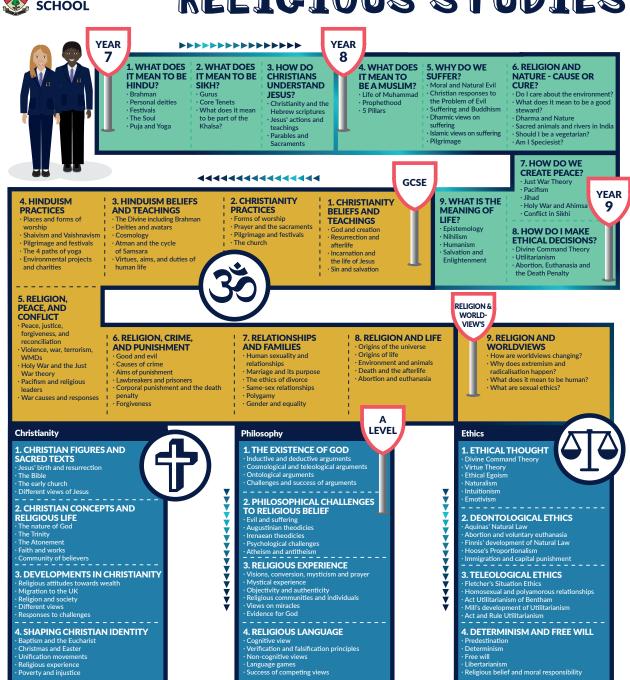
RESEARCH METHODS YEAR 2

- Case studies
- Types of validity: face validity, concurrent validity, ecological validity and temporal validity, improving validity
- Features of science Reporting psychological investigations
- Statistical testing; the sign test.
 When to use the sign test; calculation of the sign test
 Probability and significance: use of statistical tables and critical values
- - · Type I and Type II errors · Choice of statistical



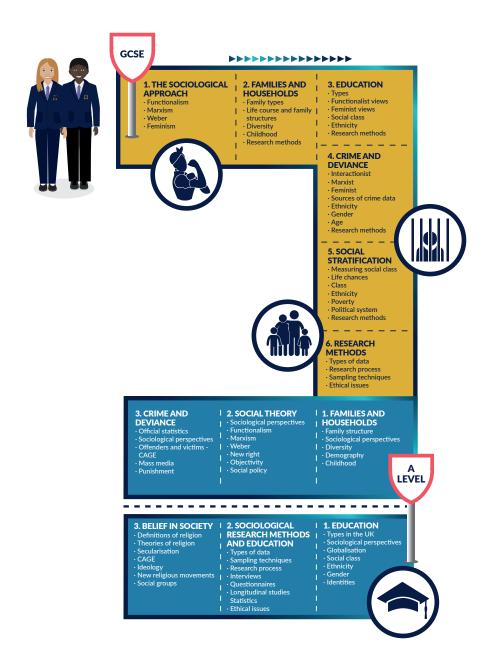


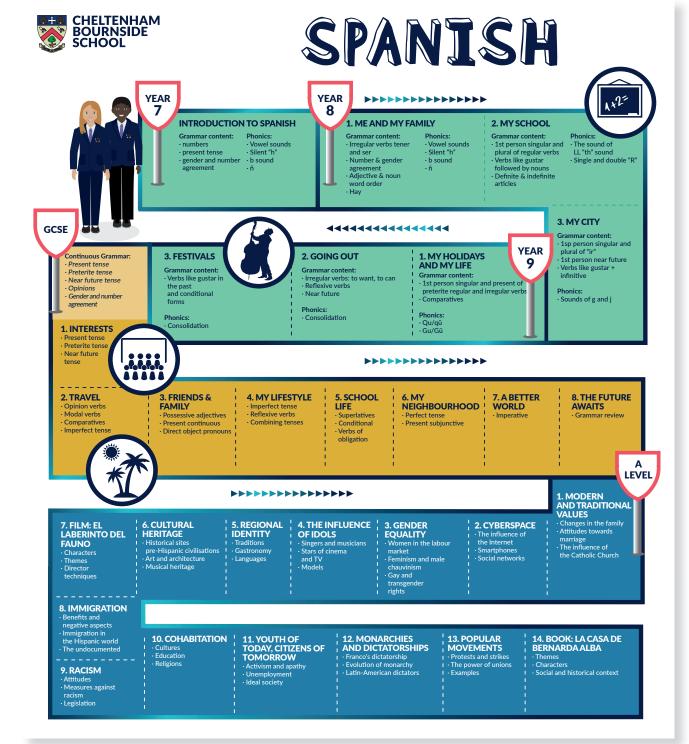
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Cheltenham Bournside School
Warden Hill Road
Cheltenham
GL51 3EF
01242 235555