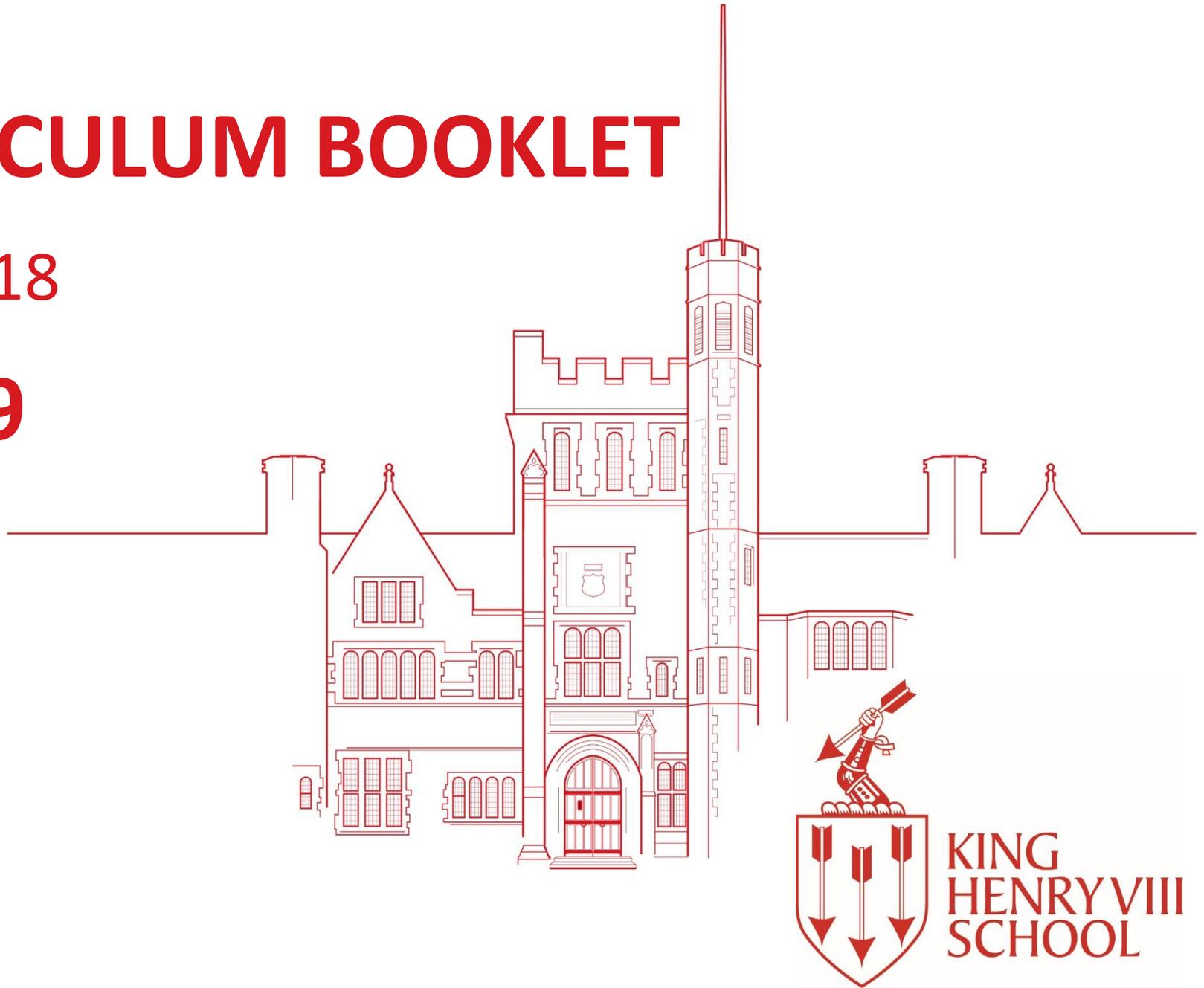


CURRICULUM BOOKLET

2017-2018

YEAR 9



Dear Parent/Guardian

This curriculum booklet has been put together as part of the Home-School partnership. It includes an outline of the topics / themes studied in each subject throughout the year.

Where possible, this has been arranged into the three terms, although some subjects do not study the topics in the same order with every group. In addition, some subjects are skills based and it is difficult to define exactly when each skill will be covered. Please be reassured that all groups will ultimately cover the same work leading to a common examination.

Throughout Year 9 important work is done towards GCSE examinations. This could be explicit topics as in Science or the continued building blocks done within Mathematics and Languages or more skills based within English and the Humanities. It is important that these are worked at throughout the year. After Christmas your son/daughter will make their choices for GCSE, these include English, Maths, all 3 sciences, a modern foreign language and 3 option subjects. More will be explained about this at the GCSE option choices evening in January.

We hope that you will find the booklet informative and useful.

Miss A. M. Weitzel
Deputy Head

September 2017

ART & DESIGN

Art Portfolio

In this course, pupils explore and develop new skills in Art & Photography. The Autumn Term and course will start with a visit to Oxford Botanical Gardens and Pitt Rivers Museum. The theme for the year will be Landscape moving through to Artefacts. Pupils will explore and use a variety of techniques which will include: photography, printing, observational drawing and mark-making, critical & contextual studies and painting.

Pupils in Year 9 will be covering these skills at different times of the year.

BIOLOGY

Autumn Term

The nature and variety of living organisms
Levels of organisation
Cell organelles
Biological molecules
Enzymes
Co-ordination and response

Spring Term

Geotropic and phototropic responses
The nervous system
The endocrine system
Photosynthesis
Plant mineral requirements
Crop plants
Fish farming

Summer Term

Organisms in their environment
Feeding relationships
Food production using microorganisms

CHEMISTRY

Autumn Term

States of Matter
Atomic Structure
The Periodic Table
Group 1 Elements
Group 7 Elements
Ionic Compound

Spring Term

Covalent substances
Oxygen and oxides
Crude oil
Introduction to Organic Chemistry

Summer Term

Alkanes and Alkenes
Ethanol
Synthetic Polymers

COMPUTER SCIENCE

Autumn Term

Understanding Computers: Elements of a Computer, The CPU, Understanding Binary, Binary Addition, Storage Devices, Convergence and New Technology
Revision Sessions
Assessment

Spring Term

Developing Programming: More advanced Python
Assessment
Legislation and Privacy
Ethical and Cultural Issues

Summer Term

Computers in the Modern World
Revision Sessions
Free choice programming
Databases: Calculations, Mailmerge

DESIGN & TECHNOLOGY

Electronics

Further theory and knowledge of electronic components and systems
Design and manufacture of an electronic device to suit the students need
Circuit simulation, assembly and fault finding
Use of extended range of workshops tools with precision
Testing and Evaluation

Food Technology

Weekly practical based on different cake making methods – whisking, creaming, and melting.

Use of commercial pastry – short crust, puff and filo for sweet/savoury products.

Design and make a pastry product suitable for a given design brief.
Evaluation.

Resistant Materials

Design and manufacture a picture book combining elements of graphic design
precision use of workshop tools and CAD/CAM. Working with a range of materials and components. Use of CNC routing and advanced CAD skills.
Team work to replicate a production line.
Design and make homework challenge based around innovative clocks.

ENGLISH

There will be overlap between Writing and Speaking and Listening activities

Reading

Shakespeare: plays such as *Much Ado About Nothing* and *Twelfth Night* or *Macbeth*

Poetry: Poems of different cultures; conflict poetry or a unit on William Blake or poets of choice

Non-Fiction:

Media Texts- propaganda
persuasive writing

Fiction: Texts such as *Stone Cold*, *The Curious Incident of the Dog in the Night-time*, *Lord of the Flies*, and *Great Expectations*

Writing

Analytical responses; creative responses

Poetic responses; writing poetry

Writing in media formats

Imaginative responses; essays on

Writing to Argue and Persuade

Script writing

Spelling, Punctuation and Grammar:

revision of key skills

Speaking and Listening

Paired work / Group work

Individual presentations

Drama: Integrated into lesson activities

FRENCH

Autumn Term

Family, friends and relationships

Home town and region

- avoir and être present tense
- possessive adjectives
- adjective agreement rules
- reflexive verbs
- comparatives plus que/moins que
- adverbs of frequency
- regular verbs in present tense
- direct object pronouns
- expressions of quantity
- irregular verbs aller/faire
- ceux qui + verb
- s'intéresser à
- demonstrative adjectives ce, cet, cette, ces

Spring Term

My studies / school

Free-time activities

- Music
- Cinema and TV
- consolidation of present tense including irregular verbs sortir, prendre, mettre, voir, vouloir
- extend range of two verbs together
- adverbs such as d'habitude/normalement
- clauses introduced by quand/lorsque and si
- perfect tense with avoir using regular and common irregular verbs
- simple opinion

Summer Term

Free- time activities

- Food and eating out

- Sport

Customs and festivals in

French-speaking countries/

Communities

Examination revision

- perfect of verbs with être + agreement rules
- reflexive verbs in perfect; perfect and imperfect tenses together
- describing a past event/festival; actions and opinions

GEOGRAPHY

Autumn Term

Tourism

How have tourism patterns changed, and why?

What impacts do tourists have and how can they be managed more sustainably. Case studies include destinations in the UK, overseas and extreme environments such as Antarctica.

Crime

How can maps help to solve and prevent crime. A look at how GIS systems compute crime data to show patterns that inform police and planning strategies.

- Causes
- Mapping patterns
- Designing out crime

Spring Term

Health and Disease

Exploration of the spatial distribution and spread of diseases

Tectonics

Earthquake and volcano hazards

Rivers

Fluvial processes and landforms

Summer Term

Quality of Life Investigation

Use of data to describe variations of quality of life in Coventry
Results are used to create a 'Monopoly' board for Coventry

GERMAN

Autumn Term

School Subjects
Opinions & reasons
Describing School
Describing school day
School in Germany
Tense Revision
Food & Drink

Spring Term

Transport
Time, manner, place
Town revision
Directions
Prices
Festivals
Holidays

Summer Term

Talking about:
TV & Films
(genres/adjectives etc)
Books
Revision
Orals
Listening Exam
After Exams: Project on a film or book that they have read/seen.

GAMES

Autumn Term

Spring Term

Summer Term

Boys:	Rugby	Hockey	Cricket, Athletics, Tennis, Fitness
Girls:	Hockey	Netball	Tennis, Rounders, Athletics

HISTORY

Autumn Term

Spring Term

Summer Term

Twentieth Century History:
Heroes and Villains?

The Cold War:
Stalin and Berlin;
JFK and the Cuban Missile Crisis;
Reagan and the end of the Cold War

Controversy in History: the Shoah
What was the 20th Century?

Women & the Vote

World War I – ‘lions led by donkeys’?

Human Rights:
Nelson Mandela;
Betty Friedan

The Era of World War II:
Nazi Germany;
Chamberlain and Appeasement;
Truman & Hiroshima:

LATIN

Building on work in Years 7 and 8, new Latin grammar and vocabulary are introduced in the final stages of the Cambridge Latin Course Book 2 and most of Book 3 (up to stage 25)*. The Latin stories and paralinguistic material continue to concentrate on Quintus' travels and experiences in Roman Britain, including involvement in intrigue in the royal palace and encounters with the Roman army:

Autumn Term

Worship of Isis
Roman medicine
Aquae Sulis (Bath) and Roman baths
(Visit in January)

Spring Term

Magic and curses
Roman religion
Travel and communication

Summer Term

The legionary soldier
Agricola – governor of Roman Britain and senior officers in the Roman army.

* More detail can be found on the excellent and comprehensive website that accompanies the Cambridge Latin Course throughout our Year 7-11 GCSE course. Major grammar points include participles, neuter nouns, and the vocative and ablative cases.

A certain amount of time is also spent on extending the introduction to Ancient Greece and its culture that began in Year 8. (For Greek *language* see below.)

GREEK:

A group of students started a two and a half year course preparing for GCSE Greek in January 2016. This will lead to GCSE qualification in summer 2018. The next intake of students will be in January 2018. Students should see Mr Jones if they are interested in doing Greek.

MATHEMATICS

Autumn Term

Applications of percentages
Algebraic expressions
Representing data
Equations
2-Dimensional geometry
Sequences and functions
Circles
Ratio
Simultaneous equations
A formal approach to fractions
Functions

Spring Term

Construction and locus
Statistical calculations
Standard form
Formulae
Accuracy
3-Dimensional geometry
Further graphical representations
Transformations
Inequalities

Summer Term

Probability
Trigonometry
Proof
Set theory

There is an emphasis throughout on clear and efficient written communication of Mathematics. Where pupils have encountered topics previously we will develop a more formal approach, focusing, where appropriate, on proof and applications.

MUSIC:

Assessment in Year 9

Pupils in Year 9 study topics which form a foundation for GCSE including the development of compositional, performing and listening skills as well as being able to critically evaluate a piece of music using and building upon their knowledge and understanding of the elements of music. In Year 9, pupils will also work on the computers using the software Sibelius to vary an existing composition as well as to compose their own.

Topics in Year 9 include:

- Composition based on the theme of 'War and Conflict'
- Battle of the Bands – creating their own cover of a pop piece
- Theme and Variation – varying a well-known melody using music software (Sibelius)
- Mash-Up – mixing different songs together in small groups
- Composing Reggae – understanding the origins and elements of reggae music

In each major topic there are assessed tasks which are undertaken and these form the mark that is awarded to pupils at the end of the year. Feedback is provided throughout the year and assessment is used to inform pupils, parents and teachers in both reporting and when advising on suitability for GCSE.

P.E.

Autumn Term

Health related fitness
Basketball
Handball
Swimming

Spring Term

Health related fitness
Basketball
Handball
Swimming

Summer Term

Athletics
Tennis
Rounders

PHYSICS

This is the first year of a three-year course leading to a Separate Science IGCSE Physics qualification.
The following topics are covered in Year 9:

Density and Pressure
Change of State
Ideal Gas Molecules

Forces
Elasticity
Moments

Waves
The Electromagnetic Spectrum

In Physics, due to the amount of equipment needed for practical classes may study the topics at different times of the year.

PSHE

Autumn Term

Personal & Global Values - Citizenship
Form charity work – Form Challenge

Spring Term

Planning for the future – Options &
Careers
Resuscitation, AED, bandages and slings
(First Aid)

Summer Term

Sexual Health
Alcohol Awareness
Year Charity – LEPRAs fundraising
Personal Review

**PHILOSOPHY,
RELIGION &
ETHICS**

Thematic approach-
TRUTH

Autumn Term

Unit 1 – Introduction to truth – what is Truth? Examining the difference between proof and evidence
Unit 2 – Ultimate questions- searching for meaning and truth
Unit 3 – What’s it all about? Searching for the real me; man vs.machine, dualism and materialism, Life paths.
Unit 4- Hinduism and the quest for truth- spiritual pathways, moral truths, unobtainable truths (ahimsa, karma)

Spring Term

Unit 5 - War- fighting for true causes/ to establish a truth?
Unit 6 – Jihad- the true Muslims expression of faith? Relevation of the Qur’an. Does the media give us a true portrayal of Islam?

Summer Term

Unit 7 – Ethics and morality- what do we mean by moral truths? Are any universalisable? Teleological and deontological ways of moral decision making. Abortion and where does life begin: truth or propaganda?

SPANISH

Autumn Term

Talking about activities
Using me gusta
Describing friends using adjectives
Using connectives
The comparative
Using reflexive verbs to talk about daily routine

Spring Term

Saying where you went on holidays
Learn the preterit tense of regular and some irregular verbs
Giving more details about your holidays
Using two tenses together
Talking about mealtimes, shopping for food, eating at a restaurant
Using high numbers and time expressions
Using three tenses together

Summer Term

Talking about clothes and school uniform
Reviewing the comparative and learning the superlative
Saying what there is to do and see in a Spanish town
Talking about the different kind of shops
Asking and giving directions
Writing creatively

Talking about places in town
Using the near future tense
Using sequencing words
Making excuses
Using querer and poder