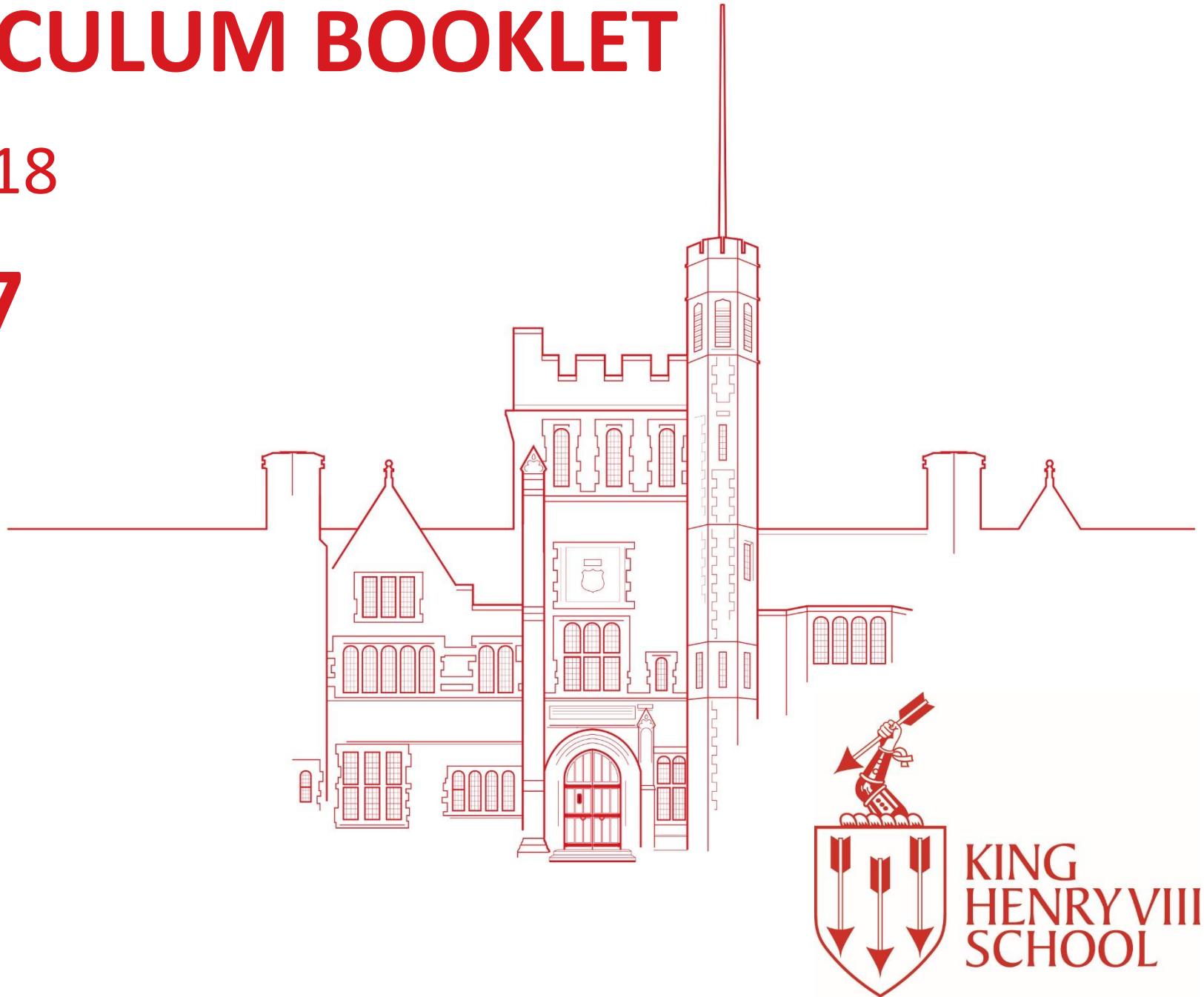


CURRICULUM BOOKLET

2017-2018

YEAR 7



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 some subjects students move round during the year. The main ones of these are DT and Modern Languages. In DT they do a rotation between Food Technology, Resistant Materials and half blocks of Art & Electronics. In Modern Languages they are doing half term blocks of both French and German.

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.

All pupils do a block of internal exams in the week before half term in the summer term, details about the content of these are given to students usually just before the Easter holiday.

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

Miss A. M. Weitzel
Deputy Head

September 2017

ART & DESIGN

Autumn Term

Units and Clusters – Colour & Pattern

Spring Term

Observational Studies – Natural Form
Exploring techniques, continuation of colour theory

Summer Term

Collaborative Art Piece

Rotational 5 week block

Exploring colour – abstract experimental painting – Research and artist analysis.

BIOLOGY

Scientific theory

Autumn Term

Characteristics of Life
Cells
Reproduction

Spring Term

Reproduction
Variation and Classification

Summer Term

Environment and Feeding Relationships

Scientific enquiry

Using key apparatus
Measuring skills
Microscope skills
Drawing specimens
Size estimation
Variables
Bar charts
Data interpretation

Primary/ secondary data

Qualitative observations
Variables
Bar charts
Drawing conclusions

Research skills
Working collaboratively

CHEMISTRY

Autumn Term

Safety
Bunsen burner
Laboratory apparatus
Writing up experiments
Presenting data
Measurement
Matter
Density
Naming compounds
Changes of state

Spring Term

Separation purification of mixtures
Solubility
Chemical changes
Simple reactions
Heating substances

Summer Term

Acids and Alkalis

COMPUTER SCIENCE

Autumn Term

Introduction to Computer Science
Getting to know the system
Email, Internet, RD Web
Email etiquette
Touch typing
Alan Turing and Task introduction
Internet searching and research
Presentation Development
Presentations and Assessments
Introduction to Programming

Spring Term

Programming/Algorithms: LOGO
Control systems: Flowol, Flowcharts,
Sequencing, Sensors
Programming: Scratch, Movement, Lives,
Scoring
Adding a new level, sprite behaviour, shoot
and jumping, sounds
Extension – Using lists
Assessment

Summer Term

MicroBits
Database: Creating a Database table
Spreadsheets

DESIGN & TECHNOLOGY

Electronics

Health and safety in a workshop

Introduction to Electronics

Design & Manufacture of a 'Door Hanger'
Laser design and manufacture, soldering
& circuit assembly
Testing and evaluating of a design

Food Technology

Health, hygiene and safety rules

Nutrition/basic nutrients & food groups

Methods of heat transfer
Weekly practical

Role and function of muffin ingredients
Sensory Analysis – Taste Testing
Packaging materials & labelling

Resistant Materials

Mini make projects using metal, wood
and plastic which gives students
confidence using a range of DT
equipment, tools and machinery
Health & Safety in the workshop

Evaluation

DRAMA

Introduction to Drama
Developing the Ensemble
Vocal & Movement Skills
Introduction to Devising

Theatre Evaluation
Theatre Through Time
Introduction to Script
Characterisation Skills

Performance Pieces
Roleplay and Improvisation Skills
'Welcome to the Theatre' – developing an
understanding of production elements

ENGLISH

There will be overlap between Writing and Speaking and Listening activities

Reading

Shakespeare: Studying Shakespeare's theatre, including a response to the *The Tempest*

Poetry: Introduction to poetry and Poetic techniques: ballads, haiku and visual poems

Fiction: Texts such as *A Christmas Carol* and *The Hobbit*

History of the Language: Introduction to Language Change: Old English and Beowulf

Non-Fiction: Newspapers, leaflet

Writing

Creative writing

Poetic responses; writing poetry

Media texts

Imaginative responses; essays

Script writing

Grammar, punctuation and spelling: Nouns and

adjectives; verbs and adverbs; pronouns,

prepositions; sentence and paragraph structures

Speaking and Listening

Paired work / Group work

Individual presentations

Drama

Integrated into lesson activities

FRENCH

3 lessons per week

Rotated half-termly with German

Autumn Term

Personal details

Family

House

Avoir and Etre

Spring Term

Animals

Colours

Clothes

Adjectives

Basic opinions

Summer Term

Weather

Present tense "er" verbs

GAMES

Boys:

Autumn Term

Rugby

Spring Term

Hockey

Summer Term

Cricket, Athletics, Tennis

Girls:

Hockey

Netball

Tennis, Athletics, Rounders

GEOGRAPHY

Autumn Term

Introduction to Geography

- What is Geography
 - Types and patterns
Map Skills
 - Investigative skill
 - Range of key skills
-
- Uses of maps on many scales

Spring Term

UK

- Location of settlements
- A factual exploration of the UK

China

- Human and physical geography
-
- Where is China heading?

Summer Term

USA

- Human and physical geography.
-
- Challenging preconceptions of a huge country.

Sense of place

Exploring how we feel about places and how we can map our emotions. Fieldwork around the school site.

GERMAN

*Rotated half termly
with French*

Autumn Term

Classroom Language
Greetings
Introductions : Name/Age/
Where you live/ Where you come
From (countries & flags)
Alphabet to spell names

Spring Term

Recap of basic introductions
Regular verbs starting with
Wohnen, Kommen etc
Inversion (In meiner Schultasche
habe ich...)
Family – nominative & accusative
Pets & plurals
Orals

Summer Term

Revision
Examination
After exams:
Classroom items
Dictionary skills
Project work

HISTORY

Autumn Term

Becoming a Great Historian
Native Americans – lifestyle & conflict

Spring Term

Norman invasion and conquest – ‘1066
and
all that’
The development of castles
The king’s dream:

- Henry II and Becket
- King John
- Peasants’ Revolt

Summer Term

The feudal system
Village life
Black Death
Religious beliefs

LATIN:

Learning new vocabulary (Vocabulary Checklist at the end of the chapter) and grammar at each stage*, the stories in Latin and paralinguistic material in the Cambridge Latin Course Book 1 illustrate the life of a Roman family in Pompeii in the 1st Century A.D., under the following headings:

Autumn Term

Caecilius – meet the family/Roman houses
In Villa – daily life
Negotium – Pompeii (Town Plan)
In Foro – the forum
In Theatro – the theatre

Spring Term

Felix – slaves and freedmen
Cena – entertainment/ life after death
Gladiatores – gladiatorial combat
Thermae – the baths

Summer Term

Rhetor – education
Candidati – local government
Vesuvius – the end of Pompeii

*By the end of the year pupils will have met:-

Cases – nominative, accusative and dative
Tenses – present, perfect and imperfect (all persons; singular and plural)
Comparative and superlative forms of adjectives

More detail can be found on the excellent and comprehensive website that accompanies the Cambridge Latin Course throughout our Year 7-11 GCSE course.

MATHEMATICS

Autumn Term

Factors and Multiples
Four Operations
Applications of angle
Symmetry
Applications of decimals
Cartesian co-ordinates
A more formal approach to fractions
Formulae

Spring Term

Further applications of decimals
Measurement
2D Geometry
Sequences
Scale drawing
Statistical calculations
Formulae
Negative numbers
Solving Equations
Accuracy
Graphs

Summer Term

Probability
Mensuration
Transformations

MUSIC:

Music scheme of work – Year 7

The Year 7 Music is designed to enable all children to develop skills that will both underpin existing knowledge and develop understanding of the way in which music works.

Throughout Year 7, Music lessons will cover the six main elements of Music Education: Singing, Performing/Playing, Improvising, Composing, Listening and Theory. We believe that a theoretical knowledge is an essential adjunct to performance and composition skills. All children will be given the opportunity to study music theory to at least Grade 1 ABRSM (the Associated Board of the Royal School of Music) level and we will cover much of this in the classroom. This is facilitated through both practical and theoretical approaches.

Performance in Year 7 is initially facilitated through singing. Songs are chosen to highlight and reinforce theoretical concepts being taught. Children also perform on the xylophone and keyboards.

Composition and improvisation skills are developed through themed topics in each term; this includes a composition based on elements heard in the piece *In the Hall of the Mountain King* by Grieg.

Throughout Year 7 listening activities are incorporated into the curriculum. Pupils learn to use the correct technical vocabulary to describe musical events and to respond critically to music commenting on the Main Elements of Music. They also learn to perform in front of an audience and to listen to others, offering feedback on performances and compositions.

P.E.

Autumn Term

Badminton
Gymnastics
Dance (Girls only)
Basketball
Swimming
Health Related Fitness

Spring Term

Badminton
Gymnastics
Dance (Girls only)
Basketball
Swimming
Health Related Fitness

Summer Term

Athletics
Tennis & Rounders in 2nd PE lesson
instead of swimming (Girls)

PHYSICS

Emphasis is placed on the development of experimental skills. Pupils will learn to plan experiments, carry out observations, record their results in tables and charts, draw conclusions and evaluate their work. The following topics are covered:

7A Introduction to Physics and Density

- Quantities and units
- Density experiments and calculations

7B Forces

- Mass and weight
- Elastic and plastic materials
- Friction

7C Pressure

- Pressure experiments and calculations

7D Speed

- Measurement of speed
- Processing data and calculations

7E Electrostatics

- Like and unlike charges
- Stationary and moving charge

7F Magnetism

- Magnets
- Magnetic fields

7H Revision Skills

- Active revision techniques

7G Energy

- What is Energy
- Energy Stores and Transfers

Rockets

- Stomp rockets investigation

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

Preparation for Ilam Hall
Henry' Summer Challenge Review
Organisational Skills
Who can I go to for help? Peer Support
SMART targets
Identity – my coat of arms
National Bullying Week Awareness
Online Safety – Identity Theft
Online Safety – Grooming
Cyber-Bullying
Identity and Self-Esteem
Your Learning Styles

Spring Term

Target setting and learning style review
Mental and Physical health
Puberty
Appropriate relationships
Tolerance and different relationships
First Aid
Current Affairs

Summer Term

Target Review
Raising money for charity
Revision Techniques
Stress Release and Resilience
Interviews about work preparation
Interviews about work
Review of the year – targets, PSHE review

**PHILOSOPHY,
RELIGION AND
ETHICS**

**Thematic
approach: God**

Autumn Term

Unit 1 – Introduction to Religion – what is PRE?

Unit 2 – Who or what is God? Conceptual analysis of God including Religious Language

Unit 3 – Can we “know” God exists?; scientific vs. spiritual accounts of design argument, cosmological argument and argument from miracles

Spring Term

Unit 4 - What is God like to people of faith? Characteristics of God and how he reveals himself through Judaism

Unit 5 – Do you need God to have religion? Introduction to Buddhism

**Summer
Term**

Unit 7 – Extended thinking: Should Buddhism be counted as one of the 6 main world “religions?”

Unit 8 – individual research project – portrayal of God in popular culture (NATRE spirited arts competition)