COPTHORNE
PREPARATORY SCHOOL



Year 7 Curriculum Handbook

Summer Term 2019

every child counts

Contact Details

Important Telephone Numbers

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Important Email Addresses

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Prep Timetable
(supervised from 4.40pm - 5.20pm)

Monday	English & RS
Tuesday	Maths, French Set 2 & Spanish Set 1
Thursday	Geography & Science
Friday	History, French Set 1 & Spanish Set 2

Contact Details

Tutors

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Teachers

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Mrs M Jones	Head of Girls' Games	mjones@copthorneprep.co.uk

English

During the Summer term, pupils will be taking a closer look at much-loved works of literature and fairy-tales in order to study how characters and narratives are constructed. From famous stories such as 'Sleeping Beauty' to 'Alice in Wonderland', we will be reading these texts with a critical eye, unpicking the broader meaning of the text, and even re-writing the characterisation of typical villains. This unit includes a film studies element, in which the children look at audience positioning in film and how camera shots convey character, set the scene and foretell events.

This term we will learn

- How to read a text with a more critical eye, paying particular attention to the writer's purpose and the symbolic importance of such stories.
- Historical context of famous tales.
- Basic elements of film studies, including key camera shots and mise-en-scene.
- How to improve responses to texts and how to develop a personal interpretation.

Outcomes of this unit include

- An analysis of key scenes in 'Alice in Wonderland' and other famous fairy tales.
- An analysis of the battle scene in 'Maleficent' in which children determine how mise-en-scene conveys ideas about character.
- A re-working of a famous fairy-tale, or inverting the presentation of villains to incite sympathy from the reader, rather than fear.

Circles

- Calculate the circumference and area of a circle
- Solve circle problems including those requiring inverse operations
- Calculate the area and perimeter of semi-circles

Estimation

- Make sensible estimates to problems involving multiplication and division.
- Check answers are of the right magnitude

Inequalities (top set only)

- Solve inequalities algebraically
- Plot solutions on a number line
- List integers which satisfy 2 or more inequalities

Simplifying Algebra (lower set only)

- Gathering like terms - addition and subtraction
- Multiplying and dividing indices
- Using brackets with indices

Area and Perimeter

- Recap on finding area of rectangles and triangles
- Find the area of compound shapes
- Use the trapezium rule for area

Simultaneous Equations (top set only)

- Solve simultaneous equations algebraically
- Construct simultaneous equations in order to solve problems
- Plot simultaneous equations

Solve Equations (lower set only)

- Solve simple linear equations with both positive and negative solutions
- Focus on demonstrating methods and checking answers
- Solve equations involving brackets and 'x' on both sides

Key Words

circles	chord	arc	radius	diameter
π	circumference	estimate	inequality	integer
simplify	expression	area	perimeter	compound shapes
trapezium	perpendicular	parallelogram	units	formula
variables	solve	equation	methods	simultaneous equations

Science

Human Reproduction

This term we will learn

- That humans have a life cycle
- The main stages of puberty
- The structure and function of the male and female reproduction systems
- The relative sizes and numbers of eggs and sperm and their roles
- The adaptation of the sex cells
- Fertilisation
- Inheritance and characteristics resulting from fertilization
- Development of the foetus in the womb
- The stages of pregnancy
- The main stages of menstrual cycle
- Contraception methods
- About sexually transmitted disease
- About moral choices, the idea of consent and legality surrounding sexual intercourse

Key Words

testes	penis	scrotum vas deferens		sperm duct	prostate urethra
ovaries	oviduct	Uterus	vagina	ovum	sperm
zygote	fertilisation	foetus	embryo	placenta	amniotic fluid
umbilical cord	menstruation	hormones	inheritance	characteristics	

Habitats and Factors that affect Organisms

This term we will learn

- What sort of factors may affect where something lives
- About abiotic and biotic factors
- Habitats and populations
- Predator-prey relationships
- Conservation and its role in maintaining biodiversity

Key Words

biodiversity	ecology	quadrat	pooter	pitfall trap	sweep net
predator	prey	population	community	niche	habitat
ecosystem	conservation	producer	consumer	primary	secondary
tertiary	biomass				

Richard III; the Princes in the Tower

This term we will learn

- The reign of Richard III
- Did he rule England well?
- The Mystery of the missing princes
- King Richard a loyal brother or a wicked uncle?

Enquiry Skills Focus

- Develop interest in History
- Investigate different sources to find out about Richard III
- Learn to take a few key facts from each lesson
- Learn key facts for a topic using a Test Your Knowledge Sheet (Available on the VLE)
- Test your recall and revision with regular spot tests and an end of topic test on Richard III
- Use the internet and books to increase your understanding of the topics covered
- Work with classmates to discuss and debate cause and consequence in the period examined
- Learn to sequence and order events chronologically

Skills required in exams

- Analysing sources in evidence questions
    - comparing sources for agreement and contradiction
    - corroborating information using sources
    - analysing the provenance of sources to determine their reliability
- Essay writing skills
    - how to plan and write an essay
    - how to structure an essay using an introduction paragraph and conclusion
    - how to structure a paragraph using Point Evidence Explain (PEE)
    - how to balance an essay by looking at the question from more than one perspective

Key Words

Coronation	rebellion	evidence	suffocation	Alderman
Anonymous	murder	accusation	treacherous	Usurp

Geography

Overview

The term is divided into two main sections. The first will concentrate on syllabus content and the second will be devoted to the field work project.

Weather and Climate

This term we will learn

- The difference between weather and climate
- About microclimates – the influence on climate of aspect, shelter, buildings, surface and natural features
- About the water cycle – evaporation, transpiration, condensation, precipitation, interception, surface run-off, infiltration and through-flow
- About types of rainfall – relief, convectional and frontal
- About the causes of temperature and rainfall variations across the British Isles

Field Work Project

As part of the Common Entrance examination (20%), the pupils are expected to produce an extended piece of fieldwork. To this end we conduct a local river study in the second half of the summer term. This project is written up over the summer and presented in draft form at the start of the autumn term. Any corrections, additions and alterations are completed by the October half term and the final version is then submitted.

Philosophy

Ethics

This term we will learn

- Punishment
- Why Punish?
- Aims of Punishment
- Prison and the reform system

Theology

God's relationship with the World

This term we will learn

God and Elijah

- Elijah at Zarepath: 1 Kings 17. v8-24
- Elijah at Carmel: 1 Kings 18. v19-39

God's relationship with the World

Abraham's response

- The near sacrifice of Isaac: Genesis 22. V1-19

Music

Film Music

This term we will learn

- About early film and how music was used to accompany silent movies
- How music can create different moods in film
- Basic composing techniques used in different film genres
- About the overture and music used to accompany the opening credits of a film
- About several key film composers (John Williams, Jerry Goldsmith, Hans Zimmer) and examples of their work
- To create leitmotifs for a super-hero
- How under-scoring is used in film
- To demonstrate under-scoring in a composing task
- To prepare and rehearse for a Senior Concert

Ongoing skills

- Ensemble skills (listening and responding, adapting, keeping time with others, etc.)
- Notation and keyboard skills
- Composing skills
- Aural skills

Key Words

early cinema	Harold Lloyd	Charlie Chaplin	improvise
genre	scenario	mood	sound track
source music	composing	performing	opening credits
title music	overture	John Williams	Leit Motif
character	melody	accompaniment	underscoring
Hans Zimmer	Jerry Goldsmith		

Modern Foreign Languages (MFL)

Overview

In the summer term, Year 7 will continue to look at vocabulary learning strategies and additional grammatical structures.

French

This term we will learn

- Leisure time
- Revision of regular verbs
- Professions

Spanish

This term we will learn

- Household chores
- The future tense
- Summer holiday activities

Pupils will begin to prepare oral topics in readiness for Year 8. Children will also be encouraged to continue to use Vocab Express both at school and at home.

Art

Birds, Drawing, Sculpture

This term we will learn

- About the work of Ralph Steadman.
- How to transcribe character
- Drawing using mixed media
- To build up tones
- To create a bird sculpture in clay or using wire.

Key Words

birds	watercolour	charcoal	character	clay
shape	join	carve	rough	smooth
modelling	wire	3D sculpture		

Integrated Scenarios

This term we will learn

- How a wide range of IT can be used when planning an event
- That different applications are suited to certain roles
- Use of Publisher for design publications
- Use of Excel for financial models
- Use of Word for mail merges
- Use of Access for databases

More Advanced Coding

This term we will learn

- To program in Python
- Basic Python commands
- Loops and repetitions
- If… then… statements
- Ranges
- Break… continue… else…. statements

Key Words

design publications	financial models	mail merges	applications
functions	strings	statements	defaults
loops	nested loops	conditions	sequences
directories			

PSHE

Overview

This term the Year 7s will be looking at financial capability using the following website as a resource http://moneysense.natwest.com/schools/resources/

Financial Capability

This term we will learn

- To distinguish the difference between want and need
- To work out spending priorities demonstrating strategies for dealing with problems and dilemmas related to personal finances
- The effect of peer pressure
- The symptoms of stress about money
- To identify some of the influences on young people's spending
- About the range of different methods of payment for goods and services
- About the advantages and disadvantages of these methods
- About a range of methods of saving

Athletics

This term we will learn

- How to perform an effective warm - up to prepare the body for sprint and middle distance track events
- How to perform the required actions for the following field events:
  - High Jump
  - Long Jump
  - Triple Jump
  - Shot Put
- Sprinting technique - effective running style and starting position
- Hurdling technique - the difference between the lead and trail leg
- How to perform an effective relay baton changeover
- The starting points for each track event based on a 300m running track

Assessment

- Attainment based on recorded times, distances and heights compared to the county standards
- Observation of practical performance based on technique demonstrated
- Attitude and effort applied during lessons
- Transferable skills - must be able to compete in more than one area in order to score highly

Key Words

athletics	track	field	relay – baton, box, change-over
high jump	acceleration	power	long jump – take off board
sprint	explode	pacing	triple jump – hop, skip and jump
middle distance	speed	shot put – shuffle	hurdle – lead and trail leg

Swimming

Swimming

This term we will learn

- Stroke improvement lessons in front crawl, back crawl, breast stroke and butterfly
- Race craft – starts, turns and finishes
- Stamina training
- Glide and co-ordination exercises

Assessment

- Teacher, peer and self-assessment
- Use of level descriptors
- Practical performance; visual and against the clock

Key Words

4 Beat Kick	bilateral	breathing	body position
body rotation	bow wave	catch	dolphin kick
drag	extension	hypoxic	plantar flexion
dorsiflexion	posture	propulsion	recovery
stroke length	stroke rate		

Introduction to Baking

This term we will learn

- Basic baking techniques and make a variety of baked products
- To work independently
- To follow a recipe independently
- The correct methods to test for readiness
- Simple decorative techniques
- How to scale up basic recipes
- Some basic theory regarding the function of ingredients
- About gluten intolerance and how to adapt recipes

Practical Assignments

- Rock buns
- Pineapple upside down pudding
- Ginger cake
- Melting moments

Key Words

rubbing in	creaming	melting	scaling up
gluten	develop	piping bag	nozzle
proportions	flow chart	separate	raising agent
bicarbonate of soda	carbon dioxide	coating	evaluate
batch production	tests for readiness	baking parchment	skewer
consistency gluten	recipe adaptation	tests for readiness	electronic scale
measuring jug			

Design Technology

Magic Pen Holder

This term we will learn

- To work from a set plan
- To work in solid wood
- To use a template to trace onto wood
- How a magnet works
- How to use a selection of new tools

Key Skills

- Improve cutting skills
- Improve sanding skills
- How to use a chisel
- Develop creativity by expanding on a set design
- Improve measuring skills
- Improve painting and finishing skills
- How to adjust a pillar drill to a set measurement

Key Words

magnet	chisel	shaft	engrave	notch
mallet	solid	pyro-tool	vertical	indent

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