



High School Curriculum Plan 2017 - 18 Year 10 / Term #1

Art & Design

Unit A Natural & Man-Made

Topics

- Observational Drawing, Painting and Photography.
- Explorations using objects and photographs as a starting point.
- Experiment with an idea. Analyse and respond.

Assessment

The works are graded after the completion of each major topic.
3 minutes presentation and artist's transcripts.

Business Studies

Texts

1. Cambridge IGCSE Business Studies (Nuttall and Houghton)
2. Cambridge IGCSE Business Studies Revision Guide (Houghton)
3. Business Studies by Rob Jones

Topics

- Business and the environment in which it operates
- Business structure, organisation and control
- Business growth

- The need for finance

Key Concepts

- Understanding key business terms and concepts
- Analysing business activity
- Evaluating business decisions

Assessment

Students will be assessed on case study questions and a written test at the end of each unit.

Design Technology

Texts

- 1, <http://mrchris.tk>
2. <http://technologystudent.com>
3. <http://mydtwebsite.co.uk>

Topics / Key Concepts

- Pinball Project (As a group the year 10 students are to make a working pinball table with mechanisms for the flippers and a ball launching mechanism)
- Research of pinball machines and mechanisms needed to make it operational
- Using research to design a working pinball machine with some kind of score keeping device, flippers and a ball launcher
- Travel Board Game Project (Year 10 are creating a full project portfolio for creating a new board game from scratch, including instructions, merchandising and packaging. To test and evaluate their designs they will be getting focus groups of younger students to play the games and assess them.
- Research of board games including development of brief, questionnaires and market research.
- Using research to design an original board game, including rules and components
- Design and production of board game including instructions and packaging, from various media
- Use of 3D CAD/CAM design with appropriate software if required by the design
- Use evaluation and how to apply it to improve the product design process

Assessment procedure

Formative assessment of each stage of the project components and summative assessment of final project outcome in line with IGCSE standards

Performance Skills

Text

Complete Drama for Cambridge IGCSE (Pauline Courtice, Susan Elles, Rob Thomson)

Topics

- Scripted work
- Devising practical work
- Developing physical skills
- Preparing for a performance
- Writing about the performance

Assessment

The students will be assessed on the creation and development of ideas to communicate meaning for theatrical performance; how they apply theatrical skills to realise artistic intentions in live performance; and how they evaluate and analyse their own work and other students' work.

Theatre Production Skills

Topics

- Responsibilities: director, choreographer, musical director, producer, lighting manager, sound manager, costumier, make-up artist, props master, set designer, stage manager, prompt, voice coach
- Theatre spaces: proscenium, thrust stage, traverse, arena / theatre-in-the-round, black box, found space, promenade; advantages / disadvantages of different performance spaces
- Areas of the theatre and scenery: apron, stage positions, wings, (off-)prompt, flies, flats, gauze, scrim, risers, box set, minimalist, expressionist, trimming; stage design (elevation and ground plan), practical (door, window, light etc.), sightlines, front of house; curtains: legs, travelers; backdrop, cyclorama
- Lighting: types of theatre lantern and capabilities (fresnels, spotlight, profile, ground row, flood); lighting effects: gobo, crossfade, wash, (sharp) focus; lighting plots; back projections
- Sound: authenticity, soundscapes, incidental music and underscoring, editing, balance; creation of soundscape to accompany mime scene
- Props: hand props, personal props, stage props, management and responsibility, manufacture, authenticity; creation of puppets
- Costume: specialist costume terms according to period (1920s), costume research and design (Berlin 1900)
- Make-up and hair: basic and character; ageing; special effects; creation of make-up designs

Main stimuli

- Animal Farm stage play
- Set and Lighting Design / split stage effect: Sweeney Todd (Sondheim)
- Lighting, Sound and Incidental Music: The films of Alfred Hitchcock (excerpts)
- Incidental music / mime stimulus: The Grand Budapest Hotel
- Set design: The Cabinet of Dr Caligari (1920)
- Puppetry: Little Shop of Horrors (Menken)
- Various demonstration videos of costume, make-up and hair design
- Contemporary footage (1900s and 1920s) for costume analysis and design

Assessment

Assignments:

- [1] Ground plan and elevation of performance space; understanding and responding to challenges
- [2] Ground plan and elevation for Animal Farm set; understanding and responding to challenges
- [3] Section of a lighting plot for Animal Farm
- [4] Costume design sketches for Animal Farm characters
- [5] Comedy mime based upon Grand Budapest Hotel incidental music (The cold-blooded murder of Deputy Vilmos Kovacs)
- [6] Design for Audrey II puppet design

English Language

Literary Texts

Extracts from a variety of books including, fiction, non-fiction and autobiographies.

Topics / Key Concepts

- Completing language coursework (3 assignments)
- Reading for meaning
- Identifying the effects of words and phrases
- Expanding the vocabulary
- Extracting relevant information for a text

Textbooks

1. Cambridge Checkpoint English Course book (10)
2. Cambridge Checkpoint English Workbook (10)

Assessment

The students will frequently undergo short formative assessments. Students will be tested on speaking, listening, reading, writing, spelling and grammar throughout the term.

English Literature

Literary Texts

1. A Christmas Carol [Charles Dickens]
2. Power and conflict poetry

Topics / Key Concepts

- Show detailed knowledge of the content of literary texts, supported by reference to the text
- Understand the meanings of literary texts and their context, and explore texts beyond surface meaning to show deeper awareness of ideas and attitudes.
- Recognise and appreciate ways in which writers use language, structure, and form to create and shape meaning and effects.
- Communicate a sensitive and informed personal response to texts.

- Completing literature coursework (2 assignments)

Textbooks

1. Cambridge Checkpoint English Course book (10)
2. Cambridge Checkpoint English Workbook(10)

Assessment

The students will frequently undergo short formative assessments. Students will be tested on speaking, listening, reading, writing, spelling and grammar throughout the term.

French

Texts

1. Cambridge IGCSE French Foreign Language
2. Cambridge IGCSE French Foreign Language Grammar Workbook

Topics

- On se présente: revision of key concepts; introducing self and others
- C'est la rentrée: school
- On se détend: free time
- Là où j'habite: geographical surroundings

Key Grammatical Concepts

- revision of present tense of regular / irregular verbs
- agreement and position of adjectives
- question words

- immediate future
- modal verbs
- the imperative
- perfect tense with avoir
- perfect tense with être
- comparatives
- direct object pronouns
- ne...rien; ne...personne
- possessive adjectives
- prepositions

Assessment

The students will undergo short, targeted formative assessments in speaking, listening, reading and writing throughout the term

Geography

Texts

1. Kelly, D. & Fretwell, M. (2012), Complete Geography for Cambridge IGCSE, Oxford University Press: Oxford
2. Chambers, G.& Sibley, S. (2015), Cambridge IGCSE Geography Coursebook, Cambridge University Press

Theme

2. The Natural Environment

- Earthquakes and Volcanoes
- Weather
- Climate and Natural Vegetation

Assessment

The students will have short topic tests during the term and a Paper 1 Style test at the end of each section.

History

Texts

1. IGCSE Twentieth Century History International Relations Since 1919 [Tony McAleavy]
2. An Illustrated History of Modern Europe 1789-1984 [Denis Richards]
3. An Introduction to Modern European History 1890-1990 [Alan Farmer]

Topics

Option B: 20th Century International Relations Since 1919

Were the peace treaties of 1919–23 fair?

- What were the motives and aims of the Big Three at Versailles?
- Why did all the victors not get everything they wanted?
- What was the impact of the peace Treaty on Germany up to 1923?
- Could the treaties be justified at the time?

To what extent was the League of Nations a success?

- How successful was the League in the 1920s?
- How far did weaknesses in the League's organisation make failure inevitable?
- How far did the Depression make the work of the League more difficult?
- How successful was the League in the 1930s?

Assessment

The students will have short source analysis tests during the term and a topic test at the end of each section.

ICT

Texts

1. Complete ICT for Cambridge IGCSE
2. Cambridge IGCSE ICT – Second Edition
3. BCS Glossary of Computing and ICT
4. <http://www.igcseict.info/>
5. <http://www.reviseict.co.uk>

Topics / Key Concepts

- Theory
- Systems life cycle
- Computer networks
- Data Type and organization
- The effects of using ICT

Practice

- Computer presentations and animation
- Spreadsheets and Formula
- Data Modeling

Assessment Procedure

Besides continuous self-assessment, the students will take an IGCSE practice test after the completion of each major topic.

Mandarin Chinese

Texts

1. [Chinese Made Easy 1](#)
2. [Edexcel GCSE Chinese](#)

Topics

- 工作 Work
- 一日三餐 Daily meals
- 购物 Shopping
- 旅游 Traveling
- 我的生活 My life
- 爱好 Hobbies

Key Grammatical Concepts

1. Comparatives
2. Adjective/adverbs
3. Regular/irregular verbs
4. Preposition
5. Present perfect tense
6. Conjunctions

Assessment

Medium to high level Conversational exchange is expected. Medium to high level listening and speaking skills are to be developed. Students should be able to write Pinyin, their tones and commonly used characters correctly.

Mathematics

Text

[Cambridge IGCSE Mathematics Core and Extended Coursebook](#), Cambridge University Press

Topics / Key Concepts

- Number concepts
- Making sense of algebra
- Fractions
- Equations and transforming formulas
- Lines, angles and shapes
- Collecting, organizing and displaying data
- Perimeter, area and volume

Assessment procedure

The students will sit weekly quizzes and monthly unit tests.

Mathematics (Additional)

Text

[Cambridge IGCSE and O level course book](#), Cambridge University Press

Topics / Key Concepts

- Sets
- Functions
- Simultaneous equations and quadratics
- Indices and surds
- Factors and Polynomials

Assessment procedure

The students will sit weekly quizzes and monthly unit tests.

Physical Education IGCSE

Texts

Collins (2016) Cambridge IGCSE Physical Education

Themes (Theory)

- Health and well-being, fitness, diet and energy sources, components of fitness, fitness testing, VO2 max
- Training: Principles of training and overload, methods of training, warming up and cooling down.

Themes (Practical)

- Table Tennis
- Basketball

Assessment

Ongoing assessment throughout lessons. Formal assessments at the end of each topic. Practical assessment will be ongoing throughout the topic.

PSHE

Texts

1. Foster, J. Foster, S. & Richardson K. (2015), Your Life Student Book 4, Harper Collins Publishers: London
2. Foster, J. Foster, S. & Richardson K. (2015), Your Life Student Book 5, Harper Collins Publishers: London

Themes

1. What do you know and how can you be sure?
2. Developing your identity and image
 - Role models
 - Self image
 - Who influences your behavior?
 - Labels and stereotypes
3. Responsibility and values
 - Forming attitudes and values
 - Exploring social and moral issues
4. Global issues

Assessment

There is no formal assessment of the PSHE programme. Students will take part in group discussions and debates and they will give a group presentation on a chosen social issue. They will also develop an awareness campaign on a chosen global issue.

Science (Coordinated)

Biology

- B1: Characteristics of Living Organisms
- B2: Cells
- B3: Enzymes
- B4: Nutrients

Chemistry

- C1: The Particulate Nature of Matter
- C2: Experimental Techniques
- C3: Atoms, Elements and Compounds
- C4: Stoichiometry

Physics

- P1: Motion
- P2: Matter and Forces
- P3: Energy, Work and Power
- P4: Simple Molecular Model of Matter

Texts

1. Cambridge IGCSE Combined and Co-ordinated Sciences Coursebook by Jones, Harwood, Lodge and Sang.
2. Cambridge IGCSE Biology, Chemistry and Physics Workbook by Jones, Harwood, Lodge and Sang.