

# Use of the iPad at GCSE

## Contents

Art .....	2
Biology.....	2
Business Studies .....	3
Chemistry.....	4
English.....	4
Geography.....	4
HE .....	5
History and Politics.....	5
ICT .....	6
Maths.....	6
MIA.....	6
Modern Languages.....	7
PE.....	7
Physics .....	7
Religious Studies .....	8
Technology .....	8

## Art

1. Research images related to texture and use them on texture page
2. Contextual research into ceramic artists on iPad
3. Contextual research into portraiture
4. Research printmaking techniques and look up u tube videos on etching techniques
5. Take a series of digital images on your I pad to go towards a piece of album art experimentation
6. Using Art Studio create a piece of album art using at least 3 image layers, text and manipulations
7. Collect together contextual images related to your studies stemming from the theme Pattern
8. Research stitch techniques and collect images relating to textile artists
9. Create 3 mind map collages on your iPad using ArtStudio. Create as many images as possible on your theme and layer with text.
10. Take a series of digital images on your iPad to support your new project

## Biology

1. Researching Stem cell technology
2. Presenting to class using keynote: Stem Cells
3. Diabetes report
4. Blood component fact files
5. The discovery of penicillin time line research
6. Kahoot Quizes: too numerous to list
7. BMI and BMR research
8. Google expeditions (LH researching this currently)
9. Adobe Spark
10. Data logging

## Business Studies

NO	APPLICATION	TOPIC	TASK
1	SAFARI/GOOGLE SEARCH ENGINE	WHAT IS BUSINESS-ENTREPRENEURS	IN GROUPS, RESEARCH AN ENTREPRENEUR OF YOUR CHOICE
2	KEYNOTE	WHAT IS BUSINESS-ENTREPRENEURS	PRODUCE A POWER POINT PRESENTATION AND PRESENT TO THE CLASS
3	SAFARI	WHAT IS BUSINESS-FACTORS OF PRODUCTION	WATCH UTUBE VIDEO ON MASH DIRECT AND ANSWER QUESTIONS
4	SAFARI	BUSINESS ORGANISATION	WATCH CLASSCLIP ON BITESIZE 'EXPLORING THE SOLE TRADER BUSINESS MODEL'
5	SAFARI/PAGES	BUSINESS ORGANISATION	WATCH CLASSCLIP ON BITESIZE 'DIFFERENT TYPES OF COMPANIES'. MAKE NOTES ON KEY DIFFERENCES BETWEEN SOLE TRADERS AND COMPANIES
6	SAFARI	SOURCES OF FINANCE	WATCH VIDEO ON BITESIZE AND COMPLETE QUIZ
7	PAGES	SOURCES OF FINANCE	PRODUCE MINDMAP ON SOURCES OF FINANCE AND COMPLETE TABLE ON ADVANTAGES AND DISADVANTAGES OF THE VARIOUS SOURCES OF FINANCE AVAILABLE TO A BUSINESS
8	SAFARI	CUSTOMER SERVICE AND ADDING VALUE	WATCH VIDEOS ON GCSE POD AND ADD NOTES TO POWERPOINT HANDOUT
9	SAFARI	MARKETING-MARKETING MIX	WATCH VIDEO AND COMPLETE QUIZ ON BITESIZE
10	SAFARI	CCEA WEBSITE	ACCESS PASTPAPERS, MARK SCHEMES, COURSE INFORMATION AND FACTFILES

## Chemistry

### General

- iBook reference for every topic
- Various worksheets on WHSCampus

### Year 11

- Using Numbers to log data and produce a neutralisation graph in Acids topic
- iMovie recap of Structures topic
- Pupils produce Periodic Table Quizlet
- Digital practical record e.g. flame tests (extremely important for practical exam paper)
- Kahoot quizzes for Structures and Balancing equations

### Year 12

- Using Numbers to log data and produce a neutralisation curves in Rates topic
- Pupils produce Organic Chemistry Quizlet
- Digital practical record e.g. Gas Tests (extremely important for practical exam paper)
- Kahoot quizzes for Organic Chemistry and Hard Water

## English

- Individual research selection of unseen poems, preparation of handout for group discussion and annotation in conjunction with literary devices glossary
- Use of multi modal e-book
- Accessing range of topical non fiction articles e.g. Columnists such as Clarkson and Dent.
- Research on contextual aspect of literature CA e.g. Supernatural beliefs in Shakespeare's. time/ treatment of women in Victorian society- prep of keynote and presentation to class
- Mind mapping of themes in set novel
- Annotation and exploration of differentiated notes on Hardy/Heaney set poetry
- Preparation for creative writing - thought shower vocabulary on a particular theme and use of visual stimulus
- Peer and self assessment of CA
- Analysis of spoken speech audio and video clips in preparation for CA e.g. MLK's "I have a dream" speech
- Filming and critique of speaking and listening tasks e.g. Group discussions
- Research statistics for functional writing
- Group tasks creating revision keynotes on characters from set plays

## Geography

1. 6 x Mind map summaries for each theme (there are 6 themes)

2. Pages summary of elements and instruments of weather
3. Sources of data for weather forecasting mind map
4. Population growth over time- numbers table, create graph, paste into pages Doc and annotate
5. Migration headlines collage
6. Issues of youth dependents / aged dependents mind map/ summary
7. Research Titanic Quarter as a potential new resident- pages doc
8. Kahoots/ socrative quizzes for several themes
9. Extensive use for CA- writing introduction, searching images & diagrams, creating tables of data, production of graphs.
10. Key word glossaries

## HE

1. Vitamins and minerals- paired activity, produce a single side handout for the class about the vitamin or mineral allocated.
2. [www.nutrition.org](http://www.nutrition.org) – website used to access information on Eatwell Guide
3. Research the protection offered by the Environmental Health Officer.
4. Allergen labelling task- FSA website which provides advice on food allergen labelling.
5. Tips for using a credit card- [moneysupermarket.com](http://moneysupermarket.com)
6. [www.consumerCouncil.org.uk](http://www.consumerCouncil.org.uk) – Home Budget Planner and Buy rights material on legislation, ppt.
7. [www.food.gov.uk](http://www.food.gov.uk) – Advice on food allergen labelling
8. Costing a dish- use [tesco.com](http://tesco.com) to access current prices of ingredients.
9. [consumerCouncil.org.uk](http://consumerCouncil.org.uk)- Word process a formal letter of complaint- consumerism.
10. The Home Economics Controlled Assessment tasks rely significantly on the iPad for research and writing up.

## History and Politics

Use of GCSE bitesize for revision (Years 11&12)

Additional reading on WHS Campus

YouTube videos, for example 'Crash Course History' (Years 11&12)

Year 11 – Keynote presentations on Terence O'Neill and his policies in NI

Year 11 – Keynote presentation on the factors behind the rise of Hitler

Year 11 – Mind map on Weimar and Nazi Germany using GCSEPod

Year 12 – Summary timeline on the Cold War using GCSEPod

Year 12 – Keynote presentation on the arguments surrounding how the Cold War began

Summarising of articles posted on Department Twitter page

Comic Life in Year 11 to chronicle the rise to power of Hitler.

## ICT

WHSCampus	Look up documents/resources to be used in class or for homework
ibooks	Use pdf booklet of instructions for learning Access Database
Safari	Research on topics as required during lessons
KeyNote	To create revision notes/presentations at end of Yr11/12
Safari	Used for tasks for cover classes when a teacher is absent
Pages	For typing up answers to questions or notes when a class is not in a computer room.
Show Me	An app that allows a single answer to be written on screen quickly by touch. Used for review questions at beginning/end of lessons.
Kahoot	For class quizzes when reviewing a topic
Numbers	As part of teaching spreadsheets
GCSEPod	For listening to theory and completing worksheets on selected topics as revision

## Maths

1. KS4 Mathematics Ipad Audit
2. GCSE Pod
3. Linear Graphs – Use of Line Drawing App to investigate gradient and intercept.
4. Circle Theorem – Introduction to Circle Theorems. (App)
5. Transformations – demonstration of effect of transformations on shapes. (App)
6. Mathematics in real life – Researching use of Mathematics in careers (Internet / Keynote).
7. Explaining everything App
8. Show me – used for students to present review of a topic studied. (App)
9. Kahoot Quizzes and Diagnostic Questions / Website
10. Online testing (BBC Bitesize Mathematics)

## MIA

Record Foley sounds using a recording app  
Generate sound effects using Garageband  
Sound Log using Pages  
Animation Task using iMotion App  
iMotion and iMovie Animation Homework  
Socrative website/App for spelling test  
Genre Presentation (keynote)  
Year 12 Director's Notebook (Keynote)  
Photostory for Year 12 Film  
Year 12 Research Analysis using Pages

## Modern Languages

1. Vocabulary via Numbers Documents
2. WHS Campus Past papers
3. Linguastars
4. Languages online
5. iBook (French - grammar)
6. GCSEPOD – listening activities
7. itranslate App to help with pronunciation
8. Word reference online dictionary
9. Kahoots
10. Quizlet

## PE

1. Use of YouTube to research video clips of sporting skills e.g slap hit in hockey, overhead clear in badminton, spin pass in rugby etc..
2. Use of video and iMovie app to analyse performance and identify strengths and weaknesses
3. Use of google search engine to research topics e.g Brian Mac, NHS, sleep foundation etc..
4. Use of pages to produce work
5. Use of keynote for presentations and CA
6. Use of BBC Bitesize for revision purposes
7. Use of CCEA website for course details and past papers
8. IPlayer for catch up programmes relating to subject
9. App Store for various apps to be used e.g. Fitness testing i.e. Bleep test, yo yo, fitness meter
10. School VLE to watch exemplar material of coaching skill analysis

## Physics

### KS4 Uses of iPad – Physics

#### Unit 1

1. Rutherford Bohr on model of the atom and Nuclear Decay research
2. Radioactive dangers and uses research and presentation
3. Energy resources and efficiency research and presentation
4. Analysis of speed data using numbers
5. GCSE pod playlists – density/ moments/ radioactivity/ energy/ forces and motion

#### Unit 2

1. Static electricity uses and dangers – presentation
2. Sound uses and dangers – research and presentation
3. EM spectrum – research and poster presentation

4. Solar system, origin and future of the Universe research
5. GCSE pod playlists – Electricity and Magnetism/ Waves, light and sound/ Earth and the Universe

Pupils will use WHS campus to access their digital resources and notes

Pupils will often use iMovie or camera functions to capture the 'describe and explain' experiments on their specification.

## Religious Studies

1. Organisation of all notes on iPad - Every topic in the Ethics and Philosophy modules is updated with notes on the WHS site. Pupils must download and organise notes on their iPad to use in every lesson.
2. Abortion research - Students research the development of the foetus throughout the 40weeks pregnancy
3. Capital Punishment research - looking up global examples as well as research into the stories of criminals on death row.
4. Keynote - table presentations of pro-life and pro-choice arguments
5. Social Justice - iPad presentation of groups affected by social injustice
6. Relevant websites on the updating of laws for Ethics issues - e.g. abortion laws,
7. Access to Social media viewpoints - Twitter - Christian Alliance viewpoints contrasting with pro-choice in Ethics. Listening to recommended videos relating to course topics - Stephen Nolan Show, You-Tube talks - Access to Philosophers; John Lennox, Tim Keller, Ravi Zacharias, Amy Orr Ewing etc.
8. Existence of God presentation - contrasting Theist and atheist viewpoints on God's existence
9. Pages past paper question practice - students complete practice 10 mark questions to be emailed through to subject teacher.
10. WHS Campus debates - students asked to type viewpoint in response to forum discussions relating to course.

## Technology

1. Research
2. Unit 4 Research pages
3. Heads up
4. Focus on Technology app
5. Video working Unit 5 projects
6. Unit 5 Project Folder
7. Unit 5 Folder photographs
8. Video Pneumatic circuits
9. WHS Campus



10. CAD Tutorials