



Wellfield High School

'Inspire - Challenge - Achieve - Nurture'

Computing

Curriculum Year Plans



YEAR PLAN	Year 7		
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES INCLUDE:
Carousel 1	What is a Computer? -hardware/software -input/output devices -operating systems	Written examination of Computer Science theory Presentation assessed with project tracker	SMHW Quizzes Revision for test Sourcing images
Carousel 2	Control and Programming -Flowol, microbits -sequence -input/outputs -selection	Written examination of Computer Science theory Programs assessed with project/skills tracker	SMHW Quizzes Revision for test Algorithm plans
Online resources for extended learning			
www.teach-ict.com www.bbc.co.uk/education/subjects/zvc9q6f www.microbit.org/ www.safetynetkids.org.uk/personal-safety/staying-safe-online/ www.gcflearnfree.org/computerbasics/			

YEAR PLAN	Year 8		
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES INCLUDE:
Carousel 1	Web Development -HTML -networks -www and internet -domain names & hosting -web production	Written examination of Computer Science theory Website assessed with project tracker	SMHW Quizzes Revision for test Planning text for website
Carousel 2	Programming -Scratch, logo, Python -iteration -selection -variables -debugging	Written examination of Computer Science theory Programs assessed with project/skills tracker	SMHW Quizzes Revision for test Algorithm plans
Online resources for extended learning			
www.teach-ict.com https://www.bbc.co.uk/education/subjects/zvc9q6f https://scratch.mit.edu/ https://turtleacademy.com/ https://www.w3schools.com/ https://www.python.org/downloads/			

YEAR PLAN	Year 9		
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES INCLUDE:
Autumn 1	Computer Science -Logic gates -CPU -Memory/storage -Binary -Convergence	Written examination of Computer Science theory E-booklet assessed with project tracker	SMHW Quizzes Revision for test
Autumn 2	Programming -Logo, Python -iteration -selection -variables -debugging -functions -decomposition	Written examination of Computer Science theory Programs assessed with project/skills tracker	SMHW Quizzes Revision for test
Spring 1	Sound -Sonic pi -Audacity	Sound file assessed with project/skills tracker	SMHW Quizzes Revision for test
Spring 2	Issues Ethical, cultural and environmental issues	Written examination of Computer Science theory Movie assessed with project/skills tracker	SMHW Quizzes Revision for test
Summer 1	Databases -Records -Queries -Reports	Solution to database problem assessed with project/skills tracker	SMHW Quizzes Revision for test
Summer 2	Data Representation -Binary -Images -Sound -Compression	Written examination of Computer Science theory Programs assessed with project/skills tracker	SMHW Quizzes Revision for test

Online resources for extended learning

www.teach-ict.com
www.bbc.co.uk/education/subjects/zvc9q6f
www.python.org/downloads/
<https://sourceforge.net/projects/audacity/>

YEAR PLAN	Year 10		
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES INCLUDE:
Autumn 1	2.6 Data Representation (2 lessons per week theory and 1 lesson programming)	Multiple choice questions throughout End of unit test at the end of each section	Tasks from CGP workbook Practise exam questions Download Python and compete practise to consolidate understanding
Autumn 2	1.3 Storage 2.4 Computational Logic 2.1 Algorithms (2 lessons per week theory and 1 lesson programming)	Multiple choice questions throughout End of unit test at the end of each section	Tasks from CGP workbook Practise exam questions Download Python and compete practise to consolidate understanding
Spring 1	1.7 Systems Software 1.1 Systems Architecture (2 lessons per week theory and 1 lesson programming)	Multiple choice questions throughout End of unit test at the end of each section	Tasks from CGP workbook Practise exam questions Download Python and compete practise to consolidate understanding
Spring 2	1.1 Systems Architecture (2 lessons per week theory and 1 lesson programming)	Multiple choice questions throughout End of unit test at the end of each section	Tasks from CGP workbook Practise exam questions Download Python and compete practise to consolidate understanding
Summer 1	1.4 Wired & Wireless Networks (2 lessons per week theory and 1 lesson programming- NEA practise)	Multiple choice questions throughout End of unit test at the end of each section Feedback on NEA	Tasks from CGP workbook Practise exam questions Download Python and compete practise to consolidate understanding
Summer 2	1.5 Network Topologies, Protocols & Layers (2 lessons per week theory and 1 lesson programming- NEA practise)	Multiple choice questions throughout End of unit test at the end of each section Feedback on NEA	Tasks from CGP workbook Practise exam questions Download Python and compete practise to consolidate understanding

Online resources for extended learning

www.ocr.org.uk/qualifications/gcse-computer-science-j276-from-2016/
www.teach-ict.com
www.python.org
www.quizizz.com
www.quizlet.com

YEAR PLAN	Year 11 (Computer Science)		
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES INCLUDE:
Autumn 1	1.6 Systems Security 2.3 Producing Robust Programs (1 lesson per week theory and 2 lessons programming-NEA)	Multiple choice questions throughout End of unit test at the end of each section	Tasks from CGP workbook Practise exam questions Download Python and compete practise to consolidate understanding
Autumn 2	1.8 Issues (1 lesson per week theory and 2 lessons programming-NEA)	Multiple choice questions throughout End of unit test at the end of each section	Tasks from CGP workbook Practise exam questions Download Python and compete practise to consolidate understanding
Spring 1	2.5 Translators & Facilities (1 lesson per week theory and 2 lessons programming)	Multiple choice questions throughout End of unit test at the end of each section	Tasks from CGP workbook Practise exam questions
Spring 2	Revision	Regular marking of practise exam questions	Tasks from CGP workbook All forms of revision Practise exam questions
Summer 1	Revision	Regular marking of practise exam questions	Tasks from CGP workbook All forms of revision Practise exam questions

Online resources for extended learning

www.ocr.org.uk/qualifications/gcse-computer-science-j276-from-2016/
www.teach-ict.com
www.python.org
www.quizizz.com
www.quizlet.com

YEAR PLAN	Year 11 ICT		
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES INCLUDE
Autumn 1	Activity 3 Controlled assessment	Completion of Digital Promo design Completion of Digital Promo Completion of interactive webpage storyboard. Completion of reviews	Update sources table Research topics Workbook questions
Autumn 2	Activity 3 & 4 Controlled assessment	Completion of interactive webpage Completion of evaluation Mock exam 1	Workbook questions Take away homework tasks Revision using Moodle, revision guide and workbook Complete sources table

Spring 1	Chapter 2 – Connectivity Chapter 3 – Operating online Chapter 4 – Online goods and services	Past papers and questions Group challenges and tasks	Workbook questions Practice past exam questions Revision using Moodle, revision guide and workbook
Spring 2	Chapter 5 – Online communities Chapter 6 - Issues	Mock exam 2 Past papers and questions	Workbook questions Practice past exam questions Revision using Moodle, revision guide and workbook
Summer 1	Technology Updates Revision	Past papers	Practice past exam questions Revision using Moodle, revision guide and workbook

Online resources for extended learning

School Moodle including links to EdExcel resources

<http://apps.appshed.com/440604/>

<http://www.teach-ict.com/>