ICT, Business and Computing Key Stage 3 & Key Stage 4 Curriculum Year Plans

YEAR PLAN	Year 7 Computing		
TERM	**UNIT**	**ASSESSMENT TYPE**	**HOMEWORK OPPORTUNITIES INCLUDE**
Carousel One	CBI: Unit 1: School Email Lesson 1 and 2 **CBI: Baseline Assessment** CBI: Unit 2 Online Safety Lesson 1, 2 and 3 (4 – incoming message) CCh: Unit 3 Adventure Story Lesson 1, 2, 3 CCh: Unit 4 Scratch Lesson 1 and 2, 3, 4 **CCh: Assessment 1**	Baseline test Completion of Email Tasks and Class notes Worksheet Completion of PP Worksheets showing code End of unit test	Revise for end of unit test. Download Scratch at home; working on game files **iDEA : Duke of York Inspiring Digital Enterprise Award**
Carousel Two	CBI: Unit 6 Python Lesson 1 and 2, 3 CBI; Unit 7 How computers work Lesson 1,2 and 3 CCh: Unit 5 Spy School Lesson 1,2 and 3 CCh: Unit 8 Binary and Control 1 and 2 CCh: Unit 9 Microbits Lessons 1, 2 and 3 **Assessment 2**	Excel workbook Completion of Python exercises and Class Notes Worksheet End of unit test	Revise for end of unit test. **iDEA : Duke of York Inspiring Digital Enterprise Award**

Details Of Websites For Extended Learning For The Year 7 Units Of Work
http://www.idea.org.uk
http://www.safetynetkids.org.uk/personal-safety/staying-safe-online/
http://www.kidsmart.org.uk/
http://www.gcflearnfree.org/computerbasics
http://pjnicholson.com/FW8/fwtuts.html http://scratch.mit.edu/
http://www.eastonhome.co.uk/Scratch/
http://www.w3schools.com/
https://www.playcodemonkey.com/

YEAR PLAN	Year 8 Computing		

TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES INCLUDE
Carousel One	CBI: Do Aliens exist Lessons 1-3 takes 4 CBI: Algorithms Lessons 1-2 (slide 1-10 in Python Unit) CCh:Technology Lessons 1-4 CCh: Databases Lessons 1-4 **CCh: Assessment 1**	Completion of Brochure and Class Notes Worksheet Worksheet Worksheet End of unit test	Revise for end of unit test. **iDEA : Duke of York Inspiring Digital Enterprise Award**
Carousel Two	CBI: Python Lessons 1-3 CBI: In control Lessons 1-3 CBI: Websites Lesson 1-4 CCh: Binary Lessons 1-4 CCh: Networks Lessons 1-3 **CCh Assessment 2**	Completion of Python exercises and Class Notes Worksheet Worksheet Worksheet End of unit test	**iDEA : Duke of York Inspiring Digital Enterprise Award**

Details Of Websites For Extended Learning For The Year 8 Units Of Work

http://www.idea.org.uk
http://www.teach-ict.com/
https://www.python.org/
http://www.teacherclick.com/flash8/
http://www.teacherclick.com/dreamweaver8/index.htm
http://audacity.sourceforge.net/ http://www.w3schools.com/
http://appinventor.mit.edu/explore/
https://classroom.google.com/u/0/h

YEAR PLAN	Year 9 Computing		
TERM	**UNIT**	**ASSESSMENT TYPE**	**HOMEWORK OPPORTUNITIES INCLUDE**
Autumn 1	Course Introduction Baseline Test Programming Project - Create a Scratch Calculator Planning a solution Developing a solution	Completion of python exercises Completion of online work booklet	Practice past exam questions Watch videos and make preparation notes for next lesson Revise for end of unit test using OneNote. Read revision booklets provided by the teacher
Autumn 2	Programming Project - Create a Scratch Calculator Testing a solution Evaluating the success of a solution	Completion of python exercises Completion of online work booklet End of unit test	Practice past exam questions Watch videos and make preparation notes for next lesson Revise for end of unit test using OneNote. Read revision booklets provided by the teacher

Spring 1	Computer Hardware Computer Software	Completion of python exercises Completion of online work booklet	Practice past exam questions Watch videos and make preparation notes for next lesson
			Revise for end of unit test using OneNote Read revision booklets provided by the teacher Download Python and compete teacher challenges to consolidate understanding
Spring 2	Computer memory and storage Moral, legal, cultural and environmental concerns	Completion of python exercises Completion of online work booklet End of unit test	Practice past exam questions Watch videos and make preparation notes for next lesson Revise for end of unit test using OneNote. Read revision booklets provided by the teacher Download Python and compete teacher challenges to consolidate understanding

Summer 1	Programming techniques Data representation	Completion of python exercises Completion of online work booklet End of unit test	Practice past exam questions Watch videos and make preparation notes for next lesson Revise for end of unit test using OneNote. Read revision booklets provided by the teacher Download Python and compete teacher challenges to consolidate understanding
Summer 2	Programming project assessment Python Programming	Completion of python exercises Completion of online work booklet End of unit test	Practice past exam questions Watch videos and make preparation notes for next lesson Revise for end of unit test using OneNote. Read revision booklets provided by the teacher Download Python and compete teacher challenges to consolidate understanding

Details Of Websites For Extended Learning For The Year 9 Units Of Work

http://craigndave.org
http://www.teach-ict.com
https://www.csnewbs.com/
https://www.python.org
http://pynewbs.com/

YEAR PLAN	Year 9 Information Technology (iMedia)		
TERM	UNIT	ASSESSMENT TYPE	HOMEWORK OPPORTUNITIES INCLUDE
Autumn 1	R081 Pre production unit	Completion of exercises Completion of class notes	Practice past exam questions. Watch videos and make preparation notes for next lesson. Revise for end of unit test.
Autumn 2	R081 Pre production unit	Completion of exercises Completion of class notes End of unit test	Practice past exam questions Watch videos and make preparation notes for next lesson Revise for end of unit test.
Spring 1	R081 Pre production unit	Completion of exercises Completion of online work booklet	Practice past exam questions Watch videos and make preparation notes for next lesson
Spring 2	R081 Pre production unit	Completion of exercises Completion of online work booklet End of unit test	Practice past exam questions. Watch videos and make preparation notes for next lesson. Read revision booklets provided by the teacher

Summer 1	R082 Creating digital graphics	Completion of exercises Completion of controlled assessment	Practice past exam questions Revise for end of unit test. Read revision booklets provided by the teacher Compete teacher challenges to consolidate understanding
Summer 2	R082 Creating digital graphics	Completion of online work booklet End of unit test	Practice past exam questions Revise for end of unit test. Read revision booklets provided by the teacher

YEAR PLAN	Year 10 Computing		
TERM	**UNIT**	**ASSESSMENT TYPE**	**HOMEWORK OPPORTUNITIES INCLUDE**
Autumn 1	Course Introduction Learn html – Create own revision website Section 1: Hardware	Completion of theory worksheets Completion of online notes End of Topic Tests	Practice past exam questions Watch videos and make preparation notes for next lesson Read revision OneNote pages provided by the teacher Download Python and compete teacher challenges to consolidate understanding
Autumn 2	Section 3: Communication Mini Python Task – Create a calculator	Completion of theory worksheets Completion of online notes End of Topic Tests	Practice past exam questions Watch videos and make preparation notes for next lesson Read revision booklets provided by the teacher Download Python and compete teacher challenges to consolidate understanding
Spring 1	Section 4: Organisation & Structure of Data Section 2:	Completion of theory worksheets Completion of online notes	Practice past exam questions Watch videos and make preparation notes for next lesson

	Logical Operators	End of Topic Tests	

			Read revision booklets provided by the teacher Download Python and compete teacher challenges to consolidate understanding
Spring 2	Section 5: Operating Systems Section 9: Security & Data Management	Completion of python exercises Completion of online work booklet End of unit test	Practice past exam questions Watch videos and make preparation notes for next lesson Read revision OneNote pages provided by the teacher Download Python and compete teacher challenges to consolidate understanding

Summer 1	Section 6: Principles of Programming Section 7: Software Engineering Section 8: Program Construct	Completion of python exercises Completion of online work booklet End of unit test	Practice past exam questions Watch videos and make preparation notes for next lesson Read revision OneNote pages provided by the teacher Download Python and compete teacher challenges to consolidate understanding
Summer 2	Python Programming - Skill Building	Completion of python exercises	Practice past exam questions Watch videos and make preparation notes for next lesson Read revision OneNote pages provided by the teacher Download Python and compete teacher challenges to consolidate understanding

Details of Websites For Extended Learning For The Year 10 Theory and Programming Topics

http://craigndave.org
http://www.teach-ict.com
https://www.csnewbs.com/
https://www.python.org
http://pynewbs.com/

YEAR PLAN	Year 10 Business		
TERM	**UNIT**	**ASSESSMENT TYPE**	**HOMEWORK OPPORTUNITIES INCLUDE**
Autumn	Business in the real word 1.1 The purpose and nature of business 1.2 Business ownership 1.3 Setting business aims and objectives 1.4 Stakeholders 1.5 Business location 1.6 Business planning 1.7 Expanding a business	End of unit test	Practice past exam questions Revise for end of unit test. Learning key terms
Spring	Influences on business 2.1 Technology 2.2 Ethical and environmental considerations 2.3 the economic climate of business 2.4 Globalisation 2.5 Legislation 2.6 The competitive environment	End of unit test	Practice past exam questions Revise for end of unit test. Learning key terms

Summer	Human resources 4.1 Organisational structures 4.2 Recruitment and selection of employees	End of unit test	Practice past exam questions Revise for end of unit test. Learning key terms

Details Of Websites For Extended Learning For The Year 10 Units Of Work

https://www.businessed.co.uk/
https://www.bbc.com/education/subjects/zpsvr82
https://www.tutor2u.net/business/reference
https://www.memrise.com
https://www.senecalearning.com

YEAR PLAN	Year 11 Computing		
TERM	**UNIT**	**ASSESSMENT TYPE**	**HOMEWORK OPPORTUNITIES INCLUDE:**
Autumn 1	Python Programming - Skill Building Section 10: Ethical, Social & Legal	Completion of python exercises	Practice past exam questions Watch videos and make preparation notes for next lesson Read revision OneNote pages provided by the teacher Download Python and compete teacher challenges to consolidate understanding
Autumn 2	Programming Project – 20 hours of compulsory programming in Python.		Practice past exam questions Watch videos and make preparation notes for next lesson Read revision OneNote pages provided by the teacher Download Python and compete teacher challenges to consolidate understanding
Spring 1	Programming Project – 20 hours of compulsory programming in Python.	Completion of python exercises Completion of online work booklet	Practice past exam questions Watch videos and make preparation notes for next lesson

			Read revision OneNote pages provided by the teacher Download Python and compete teacher challenges to consolidate understanding
Spring 2	Assembly Language / Greenfoot All Theory Revision	Completion of Greenfoot exercises Completion of online work booklet	Practice past exam questions Read revision OneNote pages provided by the teacher Download Greenfoot and compete teacher challenges to consolidate understanding
Summer 1	Revision – Past Papers	Past papers	Practice past exam questions Read revision OneNote pages provided by the teacher
Summer 2	Revision	Past papers	Practice past exam questions Read revision OneNote pages provided by the teacher

Details Of Websites For Extended Learning For The Year 11 Theory and Programming Topics

http://craigndave.org
http://www.teach-ict.com
https://www.csnewbs.com/
https://www.python.org
http://pynewbs.com/

YEAR PLAN	Year 11 Business		
TERM	**UNIT**	**ASSESSMENT TYPE**	**HOMEWORK OPPORTUNITIES INCLUDE**
Autumn 1	Human resources 4.3 Motivating employees 4.4 Training	End of unit test	Practice past exam questions Revise for end of unit test. Learning key terms
Autumn 2	Business operations 3.1 Production processes 3.2 The role of procurement 3.3 The concept of quality 3.4 Good customer service	End of unit test	Practice past exam questions Revise for end of unit test. Learning key terms
Spring	Marketing 5.1 Identifying and understanding customers 5.2 Segmentation 5.3 The purpose and methods of market research 5.4 Elements of the marketing mix 5.5 Using the marketing mix: Product and pricing 5.6 Promotion and distribution.	End of unit test	Practice past exam questions Revise for end of unit test. Learning key terms

Summer	Revision	Past papers	Practice past exam questions Revise for end of unit test. Learning key terms

Details Of Websites For Extended Learning For The Year 11 Units Of Work

https://www.businessed.co.uk/
https://www.bbc.com/education/subjects/zpsvr82
https://www.tutor2u.net/business/reference
https://www.memrise.com
https://www.senecalearning.com