

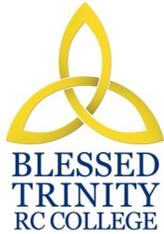
BLESSED TRINITY LEARNING PROGRAMME

SUBJECT: ICT

YEAR: 9

Half Term: 1

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Getting Organised	Using correct folders including subfolders structures for ICT Access online learning resources Understand how file extensions control the software used by default.	Tidy up files Organise their folders for the year 9 topics Access Moodle and enrol on the courses Explain file extensions and their implications	Access Moodle online and update the learning journal	Checking folders created properly.
Judging Websites	Analyse websites for quality Look at the features that can be used on a website	Pupils look at 3 different websites. They complete an evaluation sheet to identify pro and cons of the websites.	Find 3 examples of good web design and 3 examples of poor web design and justify your choices	Pupils create an annotated document to show that they understand principles of audience and purpose when designing websites



BLESSED TRINITY LEARNING PROGRAMME

SUBJECT: ICT

YEAR: 9

Half Term: 1

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Html (5 weeks)	<p>Analyse html code and be able to interpret it</p> <p>Explain and use a variety of html tags, focussing on formatting tags.</p> <p>Apply simple html tags in a sequence to develop a simple web page</p> <p>Developing the web pages with additional html tags to improve the Web Page</p> <p>Using hex code palettes to improve html webpage, applying and understanding how hex code is used to define colour systems</p> <p>Adding images and hyperlinks to webpage to make it interactive</p>	<p>Pupils are given a html code sequence and they have to read it and explain what the code is doing.</p> <p>They also use appropriate software to edit tags and change file extensions to make sure the webpage can be viewed in an appropriate browser.</p> <p>Pupils experiment using simple html tags, (bold, underline, italic) and see how the application of the tags effects the webpage generated</p> <p>Pupils apply heading tags to code, they investigate how heading tags effect the code as a whole</p>	<p>Pupils print the code they have produced during the lesson and then annotate it to explain what it does.</p> <p>Pupils print complex code and annotate to explain CSS and style sheet tags</p> <p>Revise and prepare for html test</p>	<p>Check the html tags are correct and annotated properly</p>
Html test and assessment	<p>Html test</p>	<p>Html test</p>		<p>Assessment and level generated for assessment 1.</p>

BLESSED TRINITY LEARNING PROGRAMME

SUBJECT: ICT

YEAR: 9

Half Term: 2

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Getting Organised	Using correct folders including subfolders structures for ICT Access online learning resources Understand how file extensions control the software used by default.	Tidy up files Organise their folders for the year 9 topics Access Moodle and enrol on the courses Explain file extensions and their implications	Access Moodle online and update the learning journal	Checking folders created properly.
Judging Websites	Analyse websites for quality Look at the features that can be used on a website	Pupils look at 3 different websites. They complete an evaluation sheet to identify pro and cons of the websites.	Find 3 examples of good web design and 3 examples of poor web design and justify your choices	Teacher assessment of the work

BLESSED TRINITY LEARNING PROGRAMME

SUBJECT: ICT

YEAR: 9

Half Term: 2

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Html (5 weeks)	Understanding html code Defining html tags Writing html code to make a web page Developing the web pages with additional html tags Using hex code palettes to improve html webpage Adding images and hyperlinks	Pupils write raw html code into a suitable editor (notepad). They then save the work with appropriate file extensions to make a web html version of the files. Pupils develop the html over a period of several weeks. Pupils annotate the work to show understanding of the code	Annotation of code to explain what is happening Decode the .CSS document Use a web browser to download code and annotated know tags	Peer and self assessment of the classroom activities Teacher assessment of homework activities.
Html test and assessment	Html test	Html test		Teacher assessment and feedback. Assessment and level generated for assessment 1.

BLESSED TRINITY LEARNING PROGRAMME

SUBJECT: ICT

YEAR: 9

Half Term: 3

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Creating a Website	Pupils will learn how to use a suite of software product to make a website building up complexity over a series of weeks			
Specification for the website	Pupils create a specification for their own website	Pupils will create a detailed specification for their own website, including topic, audience and purpose for the site. They will describe screens, designs and interactivity of the site	None	Teacher assessment of the specification to check suitability of the website, for complexity and content.
Investigate Webpage Layouts	Investigate how web pages are built To apply knowledge to own work and create a page	Pupils investigate how web pages are designed They create a template for their own webpage using a grid method They create the first webpage using tables. Layouts and/or div tags.	Pupils look at 3 additional sites of their own and annotate to show specifically how they have been designed.	Teacher assessment as part of project.
Website Skills 2 Interactive buttons	How to make interactive buttons using appropriate graphics tools	Pupils create simple button to allow hyperlinks to external and internal sources. Two versions of the buttons to create the illusion of pressing a button Pupils use the buttons in their web pages and test them	None	Peer assessment. Pupils test each other's buttons and give feedback for improvements. (no printed evidence)

BLESSED TRINITY LEARNING PROGRAMME

SUBJECT: ICT

YEAR: 9

Half Term: 3

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Web galleries	How to use simple java to create webpage interactivity	Demonstrate a simple web gallery system to pupils Pupils write a explanation of how they think the system works Teacher demonstration of the system Pupils then create their own system	Suggest 3 other enhancements to the interactivity of a webpage and explain how they are created	Teacher assessment by testing the web galleries (no printed evidence)
Hyperlink and addition pages	How to link pages together	Pupils create additional web pages based on their designs They link the pages using the rollover buttons to hyperlink pages together Pupils must also add appropriate content to their websites	None	Self assessment by testing the hyperlinks (no printed evidence)
Evaluation	Self and Peer evaluation of the webpage	Pupils use a given template to evaluate and explain their web pages	None	Self and Peer assessment

BLESSED TRINITY LEARNING PROGRAMME

SUBJECT: ICT

YEAR: 9

Half Term: 4

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Business Studies Taster Unit	Pupils working in teams to develop a new product, including the marketing and business plan.			
Business Investigation	Research and syntheses information about successful businesses	Pupils look at successful ideas and business and complete a research task about these businesses	Pupils must individually come up with a business idea for a product and/or service	Peer assessment of homework in next lesson
Teams and Roles	Pupils learn collaborative working Working together to develop a product	Pupils are set into teams by teacher. They must assign relevant rolls (project manager, accounts, creativity etc.) in their team. A team name must be decided and a discussion to decide on the idea for their business product. Pupils then present their ideas to the class.	Individually students create a sketched logo design	Peer assessment and direct feed back of the business plan ideas.
Making a team logo	Pupils must create logo that shows their ideas and reflects either the team name or product effectively	Pupils decide on the best logo and individually create it using graphics software and skill from previous web design unit.	None	Teacher assessment of the team logo.

BLESSED TRINITY LEARNING PROGRAMME

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YEAR: 9

Half Term: 4

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Market research and Questionnaire	Pupils apply data handling cycle knowledge used previously in year 8	<p>Pupils make a questionnaire using software of their choice. Publisher of word for printed or survey monkey for electronic.</p> <p>They must include relevant question in the survey that allow them to analyse the potential market for their product/service.</p>	Get 5 questionnaires completed	Self assessment of questionnaire design
Business Plan and costing	Research and present a business plan for product	<p>Pupil work out approximate costing for products, they forecast sales and create a business plan to show costs versus profits.</p> <p>This is included in the business plan presentation.</p>	Work out the profit margins	Teacher assessment of homework
Advertising	Make an advert for a specific audience and purpose	Pupil create an appropriate advert for their product using a combination of multimedia software tools	Prepare for presentation	
Present Business Plan	Whole class activity presenting the business plans to each other	Pupils present business plans as a team	None	Peer and teacher assessment of the presentation

BLESSED TRINITY LEARNING PROGRAMME

SUBJECT: ICT

YEAR: 9

Half Term: 5

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Programming in Python	This unit will teach pupils how computers are programmed and also to be able to write simple programming code for themselves			
Introduction to python interface	<p>Pupils will understand what computer programming is</p> <p>Pupils learn the use of the shell and editor windows.</p> <p>Understand the importance of organising the interface.</p> <p>Be able to use correct file extensions.</p>	<p>Classroom discussion about computer programming</p> <p>Pupils use the python shell and idle to see how they work</p> <p>They set up the interface properly and set up a folder.</p> <p>Pupils write their first computer program by testing different code to see which will work and why.</p>	Key terms for programming	Teacher assessment of homework
Reading and understanding code	Pupils learn how to read and interpret simple programming code	<p>Pupils are given some simple programming code in python.</p> <p>They must write the code into the editor without making any errors.</p>	Defining and understanding python code.	Teacher assessment of coding by observation

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SUBJECT: ICT

YEAR: 9

Half Term: 5

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Data types and variables	Pupils will define data types. They will use data types to make specific given code work	<p>Pupils are given a list of data types and they must work out what each type does. They will use python interface to test data types.</p> <p>Pupils are then given python code which has mistakes.</p> <p>Pupils must apply their knowledge of data types to force the code to work.</p> <p>The answers are presented by the students to the rest of the class</p>	None	Peer and teacher assessment of the corrected code solutions presented to the class.
Correcting a simple game and Conditional statements	Understand how variables can change. They will then apply knowledge about variables to conditional statements to solve a problem.	<p>Pupils will read and interpret a more complex computer program.</p> <p>They will test the code and compile it.</p> <p>Pupils must then debug and compilation errors</p>	Find 3 examples of how conditional instructions can be used in the real world.	Self assessment of work. Pupils will be able to check their own progress by the success of their code.
Creating a simple calculator	Apply knowledge of variables and conditional statements.	<p>Students will create a simple calculator that can +, /, -, *, any two variable numbers.</p> <p>They use appropriate data types, syntax and variables to create the solutions.</p>	Revise for end of unit test	Self assessment of work. Pupils will be able to check their own progress by the success of their code.
End of unit assessment	Assessment	Assessment	None	Test will be peer marks and checked by teacher

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SUBJECT: ICT

YEAR: 9

Half Term: 6

Title	Learning Objectives	Classroom Activity	Recommended Homework	Marking & Assessment
Viruses	<p>Pupils will be able to describe and explain the main features of computer viruses.</p> <p>They can also suggest appropriate solution to viruses.</p>	<p>Pupils generate a fact sheet to explain specific virus terminology and types of virus and protection methodologies</p>	<p>Pupils investigate the virus protection they have at home.</p>	<p>Teacher assessment of factsheet</p>
EPOS and EFT (databases in the real world)	<p>Understand and present EPOS and EFT</p>	<p>Pupils create a lesson to explain to others in the class about EPOS and EFT.</p>	<p>None</p>	<p>Peer assessment of the EPOS/ EFT lessons by other pupils.</p>
Databases	<p>Pupils will learn about and be able to define key database terminology</p> <p>Pupils will create a basic flat file database table and populate it with data.</p> <p>Using interrogation tools to use databases in order to extract relevant information.</p> <p>Pupils learn that systems can be integrated to form a solution</p>	<p>Pupils define terminology (field, item, record, file, data type)</p> <p>Pupils create a simple flat file database using excel</p> <p>Pupils use a given songs database. They use queries, filter and search tools to find out answers to given questions</p> <p>Pupils are given a database and have to create a mailing list. Using the mail merge tools.</p>	<p>Homework 1. – database basics</p> <p>Pupils research 10 songs to add to the database.</p> <p>They must categorise the songs into the relevant fields for the data to be imported.</p>	<p>Assessment of homework</p> <p>Mark quality of flat file database</p> <p>Exercise sheet for searching databases. Teacher assessment</p> <p>Self assessment of software integration using mail merge</p>