Computing @ Oakwood



PATHWAY 1 SOW

Year 7 – Me and My Computer



	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
er	Parts of a Computer	Turning on and logging in	The desktop and explorer	Recap	Creating Files and Folders	Saving, Retrieving and Printing	Google Classroom	Assessment
Using My Compu	Students explore the basic parts that make up a computer. They learn the correct terminology and the usages for each part.	Students are given their log in details and log in for the first time. They practice logging in and different ways of logging out. They discuss what an account is and the importance of choosing a secure password.	Students explore the desktop, understand the different elements of the interface and practice basic instructions; full screen, minimise etc. They compare this to the experience on an iPad for understanding. Students take a first look at the file explorer.	Students engage in a variety of tasks to assess understanding so far and consolidate what they have learned.	Students explore files and folders, understand the difference, then create a set of folders for their work. Any files they have already created will be organised into these folders.	Students explore saving and retrieving work from a variety of destinations. They explore the shared areas of the school network and learn how to navigate the explorer with more accuracy. Students learn how to print work.	Students are introduced to the Google Classroom and shown the basic elements. They are tasked with creating a variety of quick tasks in order to submit them to get used to the process.	Rubric, monitor progress for ongoing topics.
AUT 1	Key concepts: Computer parts Terminology Part usage	Key concepts: Logging in Logging out Safe passwords Accounts	Key concepts: Desktop Maximise Minimise Windows	Key concepts:	Key concepts: Files Folders Organisation	Key concepts: Saving Retrieving Personal Areas Shared Areas	Key concepts: Google Classroom Submitting work Google Suite	Key concepts:
						r 🖬 Printing		

Year 7 – Creating Media 1



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
S	Words and Pictures	Editing	Creating Comics	Using Templates	Adding Content	Layout information
Creating Publication	Learners should become familiar with "text" and "images." Understand the need to use them to communicate clearly. Students should be able to give advantages and disadvantages of using text, images or both, to communicate effectively.	Explore the decision making process behind appropriate font size, colour and type of text. Students are to create an invitation using these skills. It is important for learners to understand that once content has been added, it can be rearranged on the page.	Students create their own comics using online comic creation software. They add images and text and think carefully about how to use them to create the best effect. Students self and peer judge how effective they were in their use of text and images.	Introduce the idea of 'templates', 'orientation' and 'placeholders' within desktop publishing software. Students to create their own magazine template which they will add content to next lesson.	Students to add content (text and images) to the magazine templates they created last lesson. The information they need to add will be provided and they will use copy and paste skills to input the information into their template.	Students to explore the different ways information can be laid out on a page. Introduce a range of layouts such as letters and newspapers, begin to think about the purpose of each of them.
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
AUT 2	 Text and images Communication Advantages of using text and images. 	 Editing fonts Editing text Communication in text 	 Choosing fonts for effect Choosing images for effect 	 Page orientation Placeholders Templates 	 Thinking about location of content Copy and paste Editing content 	 Layouts. Purpose of layouts

Year 7 – Programming 1



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
	Scratch	Sprites	Sequences	Ordering Commands	Costumes	Instru Refle	i <mark>ments</mark> ection
'R 1 - Sequences	This lesson introduces learners to a new programming environment: Scratch. Learners will begin by comparing Scratch to other programming environments they may have experienced, before familiarising themselves with the basic layout of the screen.	In this lesson, learners will create movement for more than one sprite. In doing this, they will design and implement their code, and then will create code to replicate a given outcome. Finally, they will experiment with new motion blocks.	In this lesson, learners will be introduced to the concept of sequences by joining blocks of code together. They will also learn how event blocks can be used to start a project in a variety of different ways. In doing this, they will apply principles of design to plan and create a project. Reflect on learning.	This lesson explores sequences, and how they are implemented in a simple program. Learners have the opportunity to experiment with sequences where order is and is not important. They will create their own sequences from given designs.	This lesson develops learners' understanding of sequences by giving them the opportunity to combine motion and sounds in one sequence. They will also learn how to use costumes to change the appearance of a sprite, and backdrops to change the appearance of the stage. They will apply the skills in Activity 1 and 2 to design and create their own project, including sequences, sprites with costumes, and multiple backdrops	In this lesson, lear musical instrumen will apply the cond help develop prog programming bloc have been introdu the unit. They will can be copied from another, and that tested to see if the expected. Reflect on learning rubric.	ners will create a at in Scratch. They cept of design to rams and use sks — which they iced to throughout learn that code in one sprite to projects should be ey perform as
SF	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Кеу со	ncepts:
	 Scratch basics Backdrops, sprites Attributes Commands 	 Sprites Commands Programs 	 Events Sequenced commands Code specificity 	 Sequences Sound commands Ordering notes 	 Sequence of commands Events and actions Design choices 	 Identifying obje Task description Design choices Algorithms Assessment 	ects for a project

Year 7 – Data and Information



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
(0)	Yes or No questions	Making Groups	Creating a branching database	Structuring a branching database	Planning a branching database	Making a dinosaur identifier
Branching Databases	Learners will start to explore questions with yes/no answers, and how these can be used to identify and compare objects. They will create their own yes/no questions, before using these to split a collection of objects into groups.	Learners will develop their understanding of using questions with yes/no answers to group objects more than once. They will learn how to arrange objects into a tree structure and will continue to think about which attributes the questions are related to.	Learners will continue to develop their understanding of ordering objects/images in a branching database structure. They will learn how to use an online database tool to arrange objects into a branching database, and will create their own questions with yes/no answers. Learners will show that their branching database works through testing Reflect on learning.	Learners will continue to develop their understanding of how to create a well- structured database. They will use attributes to create questions with yes/no answers, and will apply these to given objects. Learners will compare the efficiency of different branching databases, and will be able to explain why questions need to be in a specific order.	Learners will independently plan a branching database by creating a physical representation of one that will identify different types of dinosaur. They will continue to think about the attributes of objects to write questions with yes/no answers, which will enable them to separate a group of objects effectively. Learners will then arrange the questions and objects into a tree structure, before testing the structure.	Learners will independently create a branching database to identify different types of dinosaur, based on the paper-based version that they created in Lesson 5. They will then work with a partner to test that their database works, before considering real- world applications for branching databases.
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
SPR 2	 Yes/No answers Make Yes/No questions about a collection of objects Make two groups of objects, separated by one attribute. 	 Select attributes to separate objects into groups. Create a group of objects within an existing group. Arrange objects into a tree structure. 	 Select objects to arrange in branching databases Group objects using my own yes/no questions Testing databases 	 Create yes/no questions using given attributes. Compare different branching database structures. 	 Creating questions independently for a branching database. Create questions to enable objects in being uniquely identified. Create a physical branching database 	 Create our own branching databases. Testing our databases. Exploring real wold uses for databases.

Year 7 – Creating Media 2



	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
	Can a picture move?	Working with Frames	Creating a storyboard	Recap	Stop-Frame Animations	Evaluation lesson	Using music and text in SFAs.	Assessment
SUM 1- Animations	Discuss the difference between a static picture and a moving picture, or the 'movies.' Explore simple animation techniques and create a simple animation.	Explore the iMotion app and make some basic stop-frame animations. Start to explore possibilities of what students animation projects might be.	Create a storyboard to show the characters, settings and events that would take place in their own stop frame animations.	Recap what they have learned, consolidate the learning before moving on. Check any misconceptions and address within this lesson. Complete a mini assessment.	Using the plans created in the last lesson, students will begin to create their stop frame animations, with a strong focus on consistency.	Students to evaluate the animations they made last lesson and make improvements to them. It is important that they make changes to their original design.	Students finalise their animations by adding music, text and a variety of effects to complete the finished project.	Students to present their animations and teacher to judge using the assessment rubric.
	Key concepts: Animation Moving pictures	 Key concepts: Predicting end results of animations Stop-Frame animations 	Key concepts: Storyboarding Understanding achievable animations.	Key concepts:	 Key concepts: Use onion skinning to make changes between frames. Review a sequence of frames to check work. Evaluate the quality of animations. 	 Key concepts: Self/peer reflection and improvement. Using a range of animation techniques. 	 Key concepts: Adding additional media. Providing reasons for these additions. Self evaluation. 	Key concepts:

Year 7 – Programming 2

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	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
	Moving sprites	Maze movement	Drawing lines	Adding features	Debugging	Project	making
	In this lesson, learners will investigate how characters can be moved using 'events'. They will analyse and improve an existing project, and then apply what they have learned to their own projects. They will then extend their learning to control multiple sprites in the same project.	In this lesson, learners will program a sprite to move in four directions: up, down, left, and right. They will begin by choosing a sprite and sizing it to fit in with a given background. Learners will then create the code to move the sprite in one direction before duplicating and modifying it to move in all four directions. Finally, they will consider how their project could be extended to prove that their sprite has successfully navigated a maze.	This lesson will introduce learners to extension blocks in Scratch using the Pen extension. Learners will use the pen down block to draw lines, building on the movement they created for their sprite in Lesson 2. Learners will then decide how to set up their project every time it is run. Reflect on learning.	In this lesson, learners will be given the opportunity to use additional Pen blocks. They will predict the functions of new blocks and experiment with them, before designing features to add to their own projects. Finally, they will add these features to their projects and test their effectiveness.	This lesson explores the process of debugging, specifically looking at how to identify and fix errors in a program. Learners will review an existing project against a given design and identify bugs within it. They will then correct the errors, gaining independence as they do so. Learners will also develop their projects by considering which new setup blocks to use.	In this lesson, lear and create their or a template (which partially complete complete projects around a maze, wi leave a pen trail sh sprite has moved. will include setup the sprite at the st and clear any lines screen.	ners will design wn projects. Using can be blank or d), learners will to move a sprite th the option to nowing where the Ideally, projects blocks to position cart of the maze a lready on the
7	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Кеу со	ncepts:
	 Events and actions Key choice Improving programs 	 Choosing characters Maze design Programing movement 	 Programming extensions Real world reflection Choosing blocks 	 Adding additional features Choosing suitable keys Building sequences 	 Testing programs Connecting blocks of code to outcomes Modifying programs 	 Justifying desig Implementing desig Evaluating desig Assessment 	n choices lesign choices gns

Year 8 – Me and My Computer

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	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
D	Types of Online Communication	Using Social Media	Can you believe everything online?	Recap	Using Email	Online Col	llaboration	Assessment
	Brainstorming what students already know about Online Communication whilst providing students with the correct terminology. Students explore the different contexts for Online Communication.	Students explore the main social media programs and the law surrounding their use. They explore examples of good communication and bad communication, and what their online self looks like to others.	Students explore how easy it is to spread fake information online, and how information can be manipulated to serve a purpose. They explore the concept of identify impersonation and the dangers that follow it.		Students are introduced to their email accounts and explore the basics of how to send an email. They practice sending emails to each other and discuss correct email etiquette.	Having access to their use their addresses to collaboratively online They use Google Slide functions to work in to complete a group pro- they are introduced to online in order to faci working" condition.	own emails, students begin working with one another. s and its collaborative eams, "remotely," to ject. During this time b instant messaging litate a "remote	Compare progress against assessment rubric.
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
	 The Internet Online Communication Instant Messaging Email Direct Messaging Social media 	 Social Media E Safety 	 E Safety Online awareness Digital Literacy 		 Emails Email Addresses Email Etiquette 	 Online Collaborat Working Remote Remote tools Instant Messagin 	tion ly g	

Year 8 – Creating Media 1



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6		
	Changing Digital images	Recolouring	Cloning	Combining	Creating	Evaluation		
2 – Photo Editing	In this lesson, you will introduce learners to the concept of editing images. They will go on to explore when we need to rotate and crop an image as well as how to use an image editor to make these changes. Learners will then discuss image composition.	In this lesson, learners will look at the effect that different colours and filters can have on an image. They will choose appropriate effects to fit a scenario, and explain how they made their choices. They will then edit the images using different effects to suit two different scenarios.	In this lesson, learners will be introduced to the cloning tool and its use in both changing the composition of a photo and photo retouching. They will see how parts of a photo can be removed or duplicated using cloning. Learners will consider what parts of an image can be retouched and learn techniques to make this as unnoticeable as possible. Finally, they will consider when it is necessary to edit photographs in this way. Reflect on learning.	In this lesson, students learn how to use different tools to select areas of an image. Learners then use copy and paste within one image and between two images to produce a combined image. Finally, learners will consider when it's appropriate to edit an image and discuss some of the ethics around retouching photos.	In this lesson, learners will apply all the skills they have learnt in the unit so far. They will start by reviewing some images and considering what makes an image look real or made up. Learners will then plan their own image. They will choose from a selection of images, open them and edit them to create their own project.	This lesson is the final lesson in the unit on photo editing. Learners will review the image that they created in Lesson 5. After they have reviewed their image, they will have the opportunity to make changes to their image based on their review. Learners will then add text to their image to complete it as a publication. Reflect on learning using assessment rubric.		
JT	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:		
AU	 Editing Images Rotation and cropping Image editors Image composition 	 Editing Images Filters and effects Choosing an effect to suit a scenario. 	 Cloning Photo composition Retouching 	 Image selection Copy & Paste Editing Ethics 	 Examining real/fake images Editing images 	 Self reflection Self/peer improvement Adding text to images. 		

Year 8 – Programming 1



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
	Screen turtles	Programming letters	Patterns and repeats	Using loops	Decomposition	Creating	a program
 Repetition in Snapes 	This lesson will introduce pupils to programming in Logo. Logo is a text-based programming language where pupils type commands that are then drawn on screen. Pupils will learn the basic Logo commands, and will use their knowledge of them to read and write code	In this lesson, pupils will create algorithms (a precise set of ordered instructions, which can be turned into code) for their initials. They will then implement these algorithms by writing them in Logo commands to draw the letter. They will debug their code by finding and fixing any errors that they spot.	In this lesson, pupils will first look at examples of patterns in everyday life. They will recognise where numbers, shapes, and symbols are repeated, and how many times repeats occur. They will create algorithms for drawing a square, using the same annotated diagram as in Lesson 2. They will use this algorithm to program a square the 'long' way, and recognise the repeated pattern within a square. Once they know the repeated pattern, they will use the repeat command within Logo to program squares the 'short' way. Reflect on learning .	In this lesson, pupils will work with count-controlled loops in a range of contexts. First, they will think about a real- life example, then they will move on to using count- controlled loops in regular 2D shapes. They will trace code to predict which shapes will be drawn, and they will modify existing code by changing values within the code snippet	In this lesson, pupils will focus on decomposition. They will break down everyday tasks into smaller parts and think about how code snippets can be broken down to make them easier to plan and work with. They will learn to create, name, and call procedures in Logo, which are code snippets that can be reused in their programming.	In the final lesson, p skills that they have create a program co controlled loop. Ove lesson, they will des using more than one will create with a pr count-controlled loo by creating the algo annotated sketch, o algorithm, and then code. They will debu throughout, and eva programs against th Reflect on learning or rubric.	pupils will apply the learnt in this unit to ontaining a count- er the course of the sign wrapping paper e shape, which they ogram that uses ops. They will begin rithm, either as an or as a sketch and implement it as ug their work aluate their re original brief. using assessment
-	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Кеу со	ncepts:
J rr	 Turtle Academy Written programming commands 	 Algorithms Debugging 	 Recognising shapes and patterns Algorithms Repetition 	 Trace code Programming predictions Count-controlled loops 	 Decomposition Procedures 	 Programming Algorithms Repetition and Debugging Evaluation 	loops

Year 8 – Data and Information



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
es	Understanding Databases	Sorting and Filtering	Formula and Functions	Creating Databases	Visual Data	Databases in the real world
- FIAT FILE UATADAS	In this lesson, students will be introduced to the concept of databases and familiarize themselves with their basic features.	Students will explore the basics of sorting and filtering data to find answers to questions.	Students will be introduced to common formulas and functions used in Google Sheets for performing calculations and manipulation. Recap learning so far.	In this lesson, students will create their own databases using the skills they have gained so far.	Students will explore the different ways in which they can present data and reflect on the benefits of their choices.	Students explore databases in the real world and compare the differences between their own and more visual ones used in an everyday situation.
J	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
SPR Z	 Data Databases Cells Fields Records 	 Sorting data Filtering data Answering questions based on data 	 Using formulae Using functions Answering questions based on data 	 Viewing data Records Fields Functions Formulae 	 Thinking about data Questioning data Creating questions Sorting data Filtering Data Formulae 	 Commonly used databases Visual presentation of Databases

Year 8 – Creating Media 1



	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
c	Recording Sounds	Editing Audio	Planning a Podcast	Recap	Creating a Podcast	Combining Audio	Evaluating Podcasts	Assessment
- Audio Productio	In this lesson, learners will identify the input devices used to record sound and output devices needed to listen to it. They will then record their voices using a computer, and reflect on what makes a good audio recording. Lastly, learners will consider ownership and copyright issues related to recordings.	In this lesson, learners will record and re-record their voices to improve their recordings. They will edit the recordings, removing long pauses and mistakes. Learners will also listen to a range of podcasts and identify the features of a podcast.	In this lesson, learners will record their voices and then import and align sound effects to create layers in their recordings. Learners will learn how to save their work so it remains editable. They will then plan their own podcast which they will work on in future lessons.	Recap what they have learned, consolidate the learning before moving on. Check any misconceptions and address within this lesson. Complete a mini assessment.	In this lesson, learners will record the voice tracks for their podcast. They will review their recordings and re-record if necessary. Learners will edit, trim, and align their voice recordings, and then save their project so they can continue working on it in the next lesson.	In this lesson, learners will develop their podcast further by adding content such as sound effects and background music. The audio will be layered with their existing voice recordings and exported as an audio file.	In this lesson, learners will evaluate their own podcasts and that of others. After looking at the evaluation, learners will decide if they can improve their podcast and then make any changes they have chosen.	Students to present their animations and teacher to judge using the assessment rubric.
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
SUN	 Input / Output Recording voices Ownership / Copyright 	 Recording Voices Editing Audio 	 Importing sound clips Layering audio Editing audio Planning a production 		 Podcasts Recording and editing audio Trim and align 	 Layering Audio Exporting files 	 Evaluation Self reflection and improvement 	

Year 8 – Programming 2



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
	Using loops	Different Loops	Animating names	Modifying code	Designing a game	Creating	g a game
z - Nepenuon III Janies	In the first lesson, learners look at real-life examples of repetition, and identify which parts of instructions are repeated. Learners then use Scratch, a block-based programming environment, to create shapes using count- controlled loops. They consider what the different values in each loop signify, then use existing code to modify and create new code, and work on reading code and predicting what the output will be once the code is run.	In this lesson, learners look at different types of loops: infinite loops and count- controlled loops. They practise using these within Scratch and think about which might be more suitable for different purposes.	In this lesson, learners create designs for an animation of the letters in their names. The animation uses repetition to change the costume (appearance) of the sprite. The letter sprites will all animate together when the event block (green flag) is clicked. When they have designed their animations, the learners will program them in Scratch. After programming, learners then evaluate their work, considering how effectively they used repetition in their code. Reflect on learning .	In this lesson, learners look at an existing game and match parts of the game with the design. They make changes to a sprite in the existing game to match the design. They then look at a completed design, and implement the remaining changes in the Scratch game. They add a sprite, re-use and modify code blocks within loops, and explain the changes made.	In this lesson, learners look at a model project that uses repetition. They then design their own games based on the model project, producing designs and algorithms for sprites in the game. They share these designs with a partner and have time to make any changes to their design as required.	In this lesson, learne using the designs the 5. They follow their mistakes, and refine work as they build. T work once it is comp showcase their gam Complete assessme	ers build their games, ey created in Lesson algorithms, fix designs in their They evaluate their oleted, and es at the end. Int
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Кеу со	ncepts:
	 Repetition Block-based coding Modifying code 	Infinite and count- controlled loops	 Animation Events Loops 	 Modifying code Modifying sprites 	 Designing a game Using repetition Editing code Debugging 	 Creating algorit Debugging Refinement and 	hms I evaluation.

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Year 9 – Me and My Computer

	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
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	What do all devices	The Parts	CPU & Operating		Memory	Storage	Problems	
ute	have in common?		Systems	Recap				Assessment
- What's inside a compi	Students explore a variety of digital devices and the hardware that they all have in common. They make connections between similar devices and understand that seemingly different interfaces actually work in similar ways, e.g. touchscreen and mouse.	Students explore an overview of the main parts of every digital device. They begin to create an eBook to house their learning over the topic.	Students explore the CPU by comparing it to a control centre. They explore Binary as a concept of computer language and understand the need for an Operating System to make that information more user friendly. They compare this to a translator helping two people understand a foreign language.		Students explore RAM and the concept of computer memory. They compare this to a human beings short term memory, and explore what would happen to a computer if it didn't have enough memory.	Students explore the difference between Storage and Memory. They compare storage to real storage boxes and the importance of labelling and organising these boxes.	Students explore common problems that they may face with a digital device and gain some troubleshooting skills and knowledge on how to deal with these issues.	
-	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
AUT	Core Hardware	GPU RAM Storage Motherboard	 Binary Operating System 		Memory	 Grage Memory RAM Computer Organisation 		

Year 9 – Creating Media 1



	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
	Drawing Tools	Creating Images	Making effective drawings	Recap	Layers and objects	Manipulating Objects	Creating a vector drawing	Assessment
7 2 – Vector Graphics	Learners are introduced to vector drawings and begin to understand that they are made up of simple shapes and lines. They use the main drawing tools within the Google Drawings application to create their own vector drawings. Learners discuss how vector drawings differ from paper-based drawings.	Learners begin to identify the shapes that are used to make vector drawings. They are able to explain that each element of a vector drawing is called an object. Learners create their own vector drawing by moving, resizing, rotating, and changing the colours of a selection of objects. They also learn how to duplicate the objects to save time	Learners increase the complexity of their vector drawings and use the zoom tool to add detail to their work. They are shown how grids and resize handles can improve the consistency of their drawings. Learners also use tools to modify objects to create a new image.	Recap what they have learned, consolidate the learning before moving on. Check any misconceptions and address within this lesson. Complete a mini assessment.	Learners gain an understanding of layers and how they are used in vector drawings. They discover that each object is built on a new layer and that these layers can be moved forwards and backwards to create effective vector drawings.	Learners find out how to select and duplicate multiple objects at a single time. They develop this skill further by learning how to group multiple objects to make them easier to work with. Learners then use this knowledge to group and ungroup objects, in order to make changes to and develop their vector drawings.	Learners use the skills they have gained in this unit to create a vector drawing for a specific purpose. They reflect on the skills they have used to create the vector drawing and think about why they used the skills they did. Learners then begin to compare vector drawings to freehand paint program drawings.	Students to present their animations and teacher to judge using the assessment rubric.
5	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
A	 Vector drawings Google Drawings 	 Identifying shapes Objects Manipulating vector drawings 	 Using additional tools Zoom and detailing Grids Resizing 		 Layers Layering objects 	 Duplication Grouping objects 	 Reflection Evaluation 	

Year 9 – Programming 1



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
	Exploring Conditions	Selecting Outcomes	Asking Questions	Designing a Quiz	Testing a Quiz	Evaluati	ng a Quiz
R 1 – Selection in Quizzes	In this lesson, learners revisit previous learning on 'selection' and identify how 'conditions' are used to control the flow of actions in a program. They are introduced to the blocks for using conditions in programs using the Scratch programming environment. They modify the conditions in an existing program and identify the impact this has.	In this lesson, learners will develop their understanding of selection by using the 'if then else' structure in algorithms and programs. They will revisit the need to use repetition in selection to ensure that conditions are repeatedly checked. They identify the two outcomes in given programs and how the condition informs which outcome will be selected. Learners use this knowledge to write their own programs that use selection with two outcomes.	In this lesson, learners consider how the 'if then else' structure can be used to identify two responses to a binary question. They identify that the answer to the question is the 'condition', and use algorithms with a branching structure to represent the actions that will be carried out if the condition is true or false. They learn how questions can be asked in Scratch, and how the answer is used in the condition to control the outcomes. They use an algorithm to design a program that uses selection to direct the flow of the program based on the answer provided. Reflect on learning.	In this lesson, learners will be provided with a task: to use selection to control the outcomes in an interactive quiz. They will outline the requirements of the task and use an algorithm to show how they will use selection in the quiz to control the outcomes based on the answer given. Learners will complete their designs by using design templates to identify the questions that will be asked, and the outcomes for both correct and incorrect answers. To demonstrate their understanding of how they are using selection to control the flow of the program, learners will identify which outcomes will be selected based on given responses.	In this lesson, learners will use the Scratch programming environment to implement the first section of their algorithm as a program. They will run the first section of their program to test whether they have correctly used selection to control the outcomes, and debug their program if required. They will then continue implementing their algorithm as a program. Once completed, they will consider the value of sharing their program with others so that they can receive feedback. Learners conclude the lesson by using another learner's quiz and providing feedback on it.	In this lesson, learner completed programs which the program c will focus on issues w to those in the condii inputs, and identify w problems. Learners w the outcomes may ch for subsequent users they can make use of users with the same implement their iden by returning to the S environment and add programs. They cond identifying how they requirements of the identifying the aspect that worked well, the and areas that could Complete assessme	rs will return to their and identify ways in an be improved. They where answers similar tion are given as ways to avoid such vill also consider how ange the program , and identify how to provide all experience. They will tified improvements cratch programming ding to their lude the unit by met the given task, and ts of the program ose they improved, improve further. nt
6	Selection	□ IF THEN ELSE	Binary answers	Selection	Implementing and testing	Improvement fe	edback
S	Conditions	Repetition	Branching structures	Reviewing algorithms	algorithms	Outcomes	
	Scratch blocks	Conditions	True/False logic	Design templates	 Sharing programs on Scratch Peer feedback 	Self reflection	

Year 9 – Data and Information



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
	Collecting Data	Formatting	Formulas	Calculating and Duplicating	Event Planning	Presenting data
R 2 – Spreadsheets	Students collect and organise data in a format of their choice. They then explore how data can be structured in a table, before inputting data into a spreadsheet.	Students develop their understanding of the structure of a spreadsheet. They are introduced to cell references, data items and the concept of formatting cells. Students explore data items formatted in different ways, then choose the correct formats for data items before applying these formats in their own spreadsheets.	Students begin to use formulas to produce calculated data. They endeavour to understand that the type of data in a cell is important. Students create formulas to use in a spreadsheet using cell references and identify that changing inputs will change the output of the calculation.	Students calculate data using operations of multiplications, division, subtraction and addition. They use these operations to create formulas in a spreadsheet. Students then begin to understand the importance of creating formulas that include e arrange of cells and the advantage of duplicating in order to apply formulas to multiple cells.	Students plan and calculate the cost of an event using a spreadsheet. They use a predefined list to choose what they would like to include in their event, and use their spreadsheet to answer questions on the data they have selected. Students will be reminded of the importance of organising data and will then create a spreadsheet using formulas to work out costs for their event.	Students explore chart creation in Google Sheets. They evaluate the results from their charts to answer questions. Students explore the different types of charts and their potential uses.
D	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
	 Collecting data Organising data Structuring data Inputting data 	 Cell references Data items Formatting cells Formatting options 	 Formulas Data types Cell References 	 Data calculation Operations Formulas 	 Data planning Calculating costs Answering questions about data 	 Presenting Data Bar Charts Pie Charts

Year 9 – Creating Media 2



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
	What is a video?	Filming Techniques	Úsing a storyboard	Planning a Video	Importing and Editing Video	Video Evaluation
- Video Production	Learners will be introduced to video as a media format. They will see examples of videos featuring production and editing techniques that they will work towards using their own videos. Learners will begin by explaining what the medium of video is before analysing and comparing examples of videos.	Learners will explore the capabilities of a digital device that can be used to record video. Once they are familiar with their device, learners will experiment with different camera angles, considering how different camera angles can be used for different purposes.	Learners will use a storyboard to explore a variety of filming techniques, some of which they will use in their own video project later in the unit. They will evaluate the effectiveness of these techniques before offering feedback on others' work. Reflect on learning.	Learners will plan a video by creating a storyboard. Their storyboard will describe each scene, and will include a script, camera angles, and filming techniques. Learners will use their storyboards to film the first scene of their videos.	Learners will film the remaining scenes of their video, and then import their content to video editing software. They will then explore key editing techniques and decide whether sections of their video can be edited or need to be shot again.	Learners will complete their video by removing unwanted content and reordering their clips. They will then export their finished video and evaluate the effectiveness of their edits. Finally, they will consider how they could share their video with others. Reflect on learning using assessment rubric.
1	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
SUM	 Media Formats Editing Techniques 	 Recording Devices Camera angles 	 Storyboarding Filming techniques Evaluation 	 Storyboarding Scenes Scripts Camera angles Filming techniques 	 Filming techniques Importing content Editing techniques 	 Editing video Exporting video Evaluating vidoes

Year 9 – Programming 1



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
	Screen turtles	Programming letters	Patterns and repeats	Using loops	Decomposition	Creating a	a program
20			Reflect on learning.			Reflect on learning u rubric.	ising assessment
כוכר							
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key co	ncepts:
	 Turtle Academy Written programming commands 	 Algorithms Debugging 	 Recognising shapes and patterns Algorithms Repetition 	 Trace code Programming predictions Count-controlled loops 	 Decomposition Procedures 	 Programming Algorithms Repetition and I Debugging Evaluation 	oops

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Year 7 – Me and My Computer



	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
_	Parts of a Computer	Turning on and logging in	The desktop and explorer	Recap	Creating Files and Folders	Saving, Retrieving and Printing	Google Classroom	Assessment
Using My Compute	Students explore the basic parts that make up a computer. They learn the correct terminology and the usages for each part.	Students are given their log in details and log in for the first time. They practice logging in and different ways of logging out. They discuss what an account is and the importance of choosing a secure password.	Students explore the desktop, understand the different elements of the interface and practice basic instructions; full screen, minimise etc. They compare this to the experience on an iPad for understanding. Students take a first look at the file explorer.	Students engage in a variety of tasks to assess understanding so far and consolidate what they have learned.	Students explore files and folders, understand the difference, then create a set of folders for their work. Any files they have already created will be organised into these folders.	Students explore saving and retrieving work from a variety of destinations. They explore the shared areas of the school network and learn how to navigate the explorer with more accuracy. Students learn how to print work.	Students are introduced to the Google Classroom and shown the basic elements. They are tasked with creating a variety of quick tasks in order to submit them to get used to the process.	Rubric, monitor progress for ongoing topics.
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
AUT	 Computer parts Terminology Part usage 	 Logging in Logging out Safe passwords Accounts 	 Desktop Maximise Minimise Windows 		 Files Folders Organisation 	 Saving Retrieving Personal Areas Shared Areas Printing 	 Google Classroom Submitting work Google Suite 	

Year 8 – Me and My Computer

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	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
D	Types of Online Communication	Using Social Media	Can you believe everything online?	Recap	Using Email	Online Col	llaboration	Assessment
	Brainstorming what students already know about Online Communication whilst providing students with the correct terminology. Students explore the different contexts for Online Communication.	Students explore the main social media programs and the law surrounding their use. They explore examples of good communication and bad communication, and what their online self looks like to others.	Students explore how easy it is to spread fake information online, and how information can be manipulated to serve a purpose. They explore the concept of identify impersonation and the dangers that follow it.		Students are introduced to their email accounts and explore the basics of how to send an email. They practice sending emails to each other and discuss correct email etiquette.	Having access to their use their addresses to collaboratively online They use Google Slide functions to work in to complete a group pro- they are introduced to online in order to faci working" condition.	own emails, students begin working with one another. s and its collaborative eams, "remotely," to ject. During this time b instant messaging litate a "remote	Compare progress against assessment rubric.
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
	 The Internet Online Communication Instant Messaging Email Direct Messaging Social media 	 Social Media E Safety 	 E Safety Online awareness Digital Literacy 		 Emails Email Addresses Email Etiquette 	 Online Collaborat Working Remote Remote tools Instant Messagin 	tion ly g	

Year 9 – Me and My Computer

	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
~							>	
	What do all devices	The Parts	CPU & Operating		Memory	Storage	Problems	
ute	have in common?		Systems	Recap				Assessment
- What's inside a comp	Students explore a variety of digital devices and the hardware that they all have in common. They make connections between similar devices and understand that seemingly different interfaces actually work in similar ways, e.g. touchscreen and mouse.	Students explore an overview of the main parts of every digital device. They begin to create an eBook to house their learning over the topic.	Students explore the CPU by comparing it to a control centre. They explore Binary as a concept of computer language and understand the need for an Operating System to make that information more user friendly.		Students explore RAM and the concept of computer memory. They compare this to a human beings short term memory, and explore what would happen to a computer if it didn't have enough memory.	Students explore the difference between Storage and Memory. They compare storage to real storage boxes and the importance of labelling and organising these boxes.	Students explore common problems that they may face with a digital device and gain some troubleshooting skills and knowledge on how to deal with these issues.	
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
	Digital Devices Core Hardware					Storage	Iroubleshooting	
			D Operating System					
		Galactic Storage				Computer		
		D Motherboard				Organisation		

Year 9 – Creating Media 1



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
S	Words and Pictures	Editing	Creating Comics	Using Templates	Adding Content	Layout information
Creating Publication	Learners should become familiar with "text" and "images." Understand the need to use them to communicate clearly. Students should be able to give advantages and disadvantages of using text, images or both, to communicate effectively.	Explore the decision making process behind appropriate font size, colour and type of text. Students are to create an invitation using these skills. It is important for learners to understand that once content has been added, it can be rearranged on the page.	Students create their own comics using online comic creation software. They add images and text and think carefully about how to use them to create the best effect. Students self and peer judge how effective they were in their use of text and images.	Introduce the idea of 'templates', 'orientation' and 'placeholders' within desktop publishing software. Students to create their own magazine template which they will add content to next lesson.	Students to add content (text and images) to the magazine templates they created last lesson. The information they need to add will be provided and they will use copy and paste skills to input the information into their template.	Students to explore the different ways information can be laid out on a page. Introduce a range of layouts such as letters and newspapers, begin to think about the purpose of each of them.
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
AUT 2	 Text and images Communication Advantages of using text and images. 	 Editing fonts Editing text Communication in text 	 Choosing fonts for effect Choosing images for effect 	 Page orientation Placeholders Templates 	 Thinking about location of content Copy and paste Editing content 	 Layouts. Purpose of layouts

Year 9 – Programming 1



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
	Scratch	Sprites	Sequences	Ordering Commands	Costumes	Instru Refle	ments ection
PR 1 - Sequences	This lesson introduces learners to a new programming environment: Scratch. Learners will begin by comparing Scratch to other programming environments they may have experienced, before familiarising themselves with the basic layout of the screen.	In this lesson, learners will create movement for more than one sprite. In doing this, they will design and implement their code, and then will create code to replicate a given outcome. Finally, they will experiment with new motion blocks.	In this lesson, learners will be introduced to the concept of sequences by joining blocks of code together. They will also learn how event blocks can be used to start a project in a variety of different ways. In doing this, they will apply principles of design to plan and create a project. Reflect on learning.	This lesson explores sequences, and how they are implemented in a simple program. Learners have the opportunity to experiment with sequences where order is and is not important. They will create their own sequences from given designs.	This lesson develops learners' understanding of sequences by giving them the opportunity to combine motion and sounds in one sequence. They will also learn how to use costumes to change the appearance of a sprite, and backdrops to change the appearance of the stage. They will apply the skills in Activity 1 and 2 to design and create their own project, including sequences, sprites with costumes, and multiple backdrops	In this lesson, lear musical instrument will apply the cond help develop prog programming bloc have been introdu the unit. They will can be copied from another, and that tested to see if the expected. Reflect on learning rubric.	ners will create a at in Scratch. They cept of design to rams and use ks — which they ced to throughout learn that code n one sprite to projects should be ey perform as
SF	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Кеу со	ncepts:
	 Scratch basics Backdrops, sprites Attributes Commands 	 Sprites Commands Programs 	 Events Sequenced commands Code specificity 	 Sequences Sound commands Ordering notes 	 Sequence of commands Events and actions Design choices 	 Identifying obje Task description Design choices Algorithms Assessment 	ects for a project

Year 9 – Data and Information



	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6
(0)	Yes or No questions	Making Groups	Creating a branching database	Structuring a branching database	Planning a branching database	Making a dinosaur identifier
Branching Databases	Learners will start to explore questions with yes/no answers, and how these can be used to identify and compare objects. They will create their own yes/no questions, before using these to split a collection of objects into groups.	Learners will develop their understanding of using questions with yes/no answers to group objects more than once. They will learn how to arrange objects into a tree structure and will continue to think about which attributes the questions are related to.	Learners will continue to develop their understanding of ordering objects/images in a branching database structure. They will learn how to use an online database tool to arrange objects into a branching database, and will create their own questions with yes/no answers. Learners will show that their branching database works through testing Reflect on learning.	Learners will continue to develop their understanding of how to create a well- structured database. They will use attributes to create questions with yes/no answers, and will apply these to given objects. Learners will compare the efficiency of different branching databases, and will be able to explain why questions need to be in a specific order.	Learners will independently plan a branching database by creating a physical representation of one that will identify different types of dinosaur. They will continue to think about the attributes of objects to write questions with yes/no answers, which will enable them to separate a group of objects effectively. Learners will then arrange the questions and objects into a tree structure, before testing the structure.	Learners will independently create a branching database to identify different types of dinosaur, based on the paper-based version that they created in Lesson 5. They will then work with a partner to test that their database works, before considering real- world applications for branching databases.
	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:
SPR 2	 Yes/No answers Make Yes/No questions about a collection of objects Make two groups of objects, separated by one attribute. 	 Select attributes to separate objects into groups. Create a group of objects within an existing group. Arrange objects into a tree structure. 	 Select objects to arrange in branching databases Group objects using my own yes/no questions Testing databases 	 Create yes/no questions using given attributes. Compare different branching database structures. 	 Creating questions independently for a branching database. Create questions to enable objects in being uniquely identified. Create a physical branching database 	 Create our own branching databases. Testing our databases. Exploring real wold uses for databases.

Year 9 – Creating Media 2



	Stage 1	Stage 2	Stage 3	Reflection	Stage 4	Stage 5	Stage 6	Reflection
SUM 1- Animations	Can a picture move?	Working with Frames	Creating a storyboard	Recap	Stop-Frame Animations	Evaluation lesson	Using music and text in SFAs.	Assessment
	Discuss the difference between a static picture and a moving picture, or the 'movies.' Explore simple animation techniques and create a simple animation.	Explore the iMotion app and make some basic stop-frame animations. Start to explore possibilities of what students animation projects might be.	Create a storyboard to show the characters, settings and events that would take place in their own stop frame animations.	Recap what they have learned, consolidate the learning before moving on. Check any misconceptions and address within this lesson. Complete a mini assessment.	Using the plans created in the last lesson, students will begin to create their stop frame animations, with a strong focus on consistency.	Students to evaluate the animations they made last lesson and make improvements to them. It is important that they make changes to their original design.	Students finalise their animations by adding music, text and a variety of effects to complete the finished project.	Students to present their animations and teacher to judge using the assessment rubric.
	Key concepts: Animation Moving pictures	 Key concepts: Predicting end results of animations Stop-Frame animations 	Key concepts: Storyboarding Understanding achievable animations.	Key concepts:	 Key concepts: Use onion skinning to make changes between frames. Review a sequence of frames to check work. 	 Key concepts: Self/peer reflection and improvement. Using a range of animation techniques. 	Key concepts: Adding additional media. Providing reasons for these additions.	Key concepts:
					Evaluate the quality of animations.		Self evaluation.	

Year 9 – Programming 2

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	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7
	Moving sprites	Maze movement	Drawing lines	Adding features	Debugging	Project	making
- Events and Actions	In this lesson, learners will investigate how characters can be moved using 'events'. They will analyse and improve an existing project, and then apply what they have learned to their own projects. They will then extend their learning to control multiple sprites in the same project.	In this lesson, learners will program a sprite to move in four directions: up, down, left, and right. They will begin by choosing a sprite and sizing it to fit in with a given background. Learners will then create the code to move the sprite in one direction before duplicating and modifying it to move in all four directions. Finally, they will consider how their project could be extended to prove that their sprite has successfully navigated a maze.	This lesson will introduce learners to extension blocks in Scratch using the Pen extension. Learners will use the pen down block to draw lines, building on the movement they created for their sprite in Lesson 2. Learners will then decide how to set up their project every time it is run. Reflect on learning.	In this lesson, learners will be given the opportunity to use additional Pen blocks. They will predict the functions of new blocks and experiment with them, before designing features to add to their own projects. Finally, they will add these features to their projects and test their effectiveness.	This lesson explores the process of debugging, specifically looking at how to identify and fix errors in a program. Learners will review an existing project against a given design and identify bugs within it. They will then correct the errors, gaining independence as they do so. Learners will also develop their projects by considering which new setup blocks to use.	In this lesson, learn and create their ow a template (which partially complete complete projects around a maze, wi leave a pen trail sh sprite has moved. will include setup the sprite at the st and clear any lines screen.	ners will design wn projects. Using can be blank or d), learners will to move a sprite th the option to nowing where the Ideally, projects blocks to position cart of the maze already on the
1 2	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Key concepts:	Кеу со	ncepts:
SUN	 Events and actions Key choice Improving programs 	 Choosing characters Maze design Programing movement 	 Programming extensions Real world reflection Choosing blocks 	 Adding additional features Choosing suitable keys Building sequences 	 Testing programs Connecting blocks of code to outcomes Modifying programs 	 Justifying design Implementing design Evaluating design Assessment 	n choices lesign choices gns

KS4 Core Computing @ Oakwood



	AUT1	AUT2	SPR1	SPR2	SUM1	SUM2
L	WJEC Entry Pathways – ICT Fundamentals Entry 3 – 6384/E3 Students explore the fundamentals of using ICT. They examine the main components of a computer system and how to use, maintain and troubleshoot them. They learn how to organise computer systems effectively. They explore safe use of ICT in a variety of scenarios.		WJEC Entry Pathways – Presentation Software Entry 3 – 6393/E3		WJEC Entry Pathways – Spreadsheet Software Entry 2 – 6389/E2	
Y10 Core – 5 &			Students explore Preser focus on Microsoft Powe uses for Presentation so practice for creating th valuable presentation so collecting evidence for	ntation Software, with a rPoint. They examine the oftware and look at best eir own. They will gain skills and work towards or their qualification.	Students explore Spreadsheet Software, with a focus on Microsoft Excel. They examine the uses for Spreadsheet software and learn how to collect, store and analyse data. They will explore commonly used formulae in Excel, create tables to house information, use sort and search functions, as well as creating graphs and charts to present their findings	
	WJEC Entry Pathw Entry 3 –	/ays – Using Email 6401/E3	Submission Activities / ICT For Life		End of school	Activities
Y11 Core – 5 & F	Students explore the world of electronic mail. They will gain the understanding of how emails work and their appropriate use. They explore relevant safety issues surrounding the use of email, how to set up contact lists, group contacts for various tasks and how they can use email to work collaboratively.		 Students will finalise their coursework ready to be submitted for moderation. When finished, students will explore useful ICT skills for life: CV Writing Job Searching Additional basic email skills 		Carousel of Video Editing: Le Game Desig Pixel A	choices: eavers videos gn: Kodu Art

KS4 Core Computing @ Oakwood



	AUT1	AUT2	SPR1	SPR2	SUM1	SUM2
e	WJEC Entry Pathways – Entry 2	s – ICT Fundamentals · 6384/E2	WJEC Entry Pathways – Presentation Software Entry 2 – 6393/E2		WJEC Entry Pathways – Spreadsheet Software Entry 2 – 6389/E2	
Y10 Core – Pin	Students explore IT Fundamentals, including internet safety, hardware, software and best practice. A heavy focus is placed on how to stay safe online and what information is acceptable to share and what is not.		Students explore Presentation Software, with a focus on Microsoft PowerPoint. They examine the uses for Presentation software and look at best practice for creating their own. They will gain valuable presentation skills and work towards collecting evidence for their qualification.		Students explore Spreadsheet Software, with a focus on Microsoft Excel. They examine the uses for Spreadsheet software and learn how to collect, store and analyse data. They will explore commonly used formulae in Excel, create tables to house information, use sort and search functions, as well as creating graphs and charts to present their findings.	
	WJEC Entry Pathways – Word Processing Entry 2 – 6391/E2		Submission Activities / ICT For Life		End of school	Activities
Y11 Core – Pine	Students explore Word Processing software, with a focus on Microsoft Word. They examine the uses for Word Processing, including the clear and precise presentation of information. They will gain valuable word processing skills and work towards collecting evidence for their qualification.		Students will finalise thei submitted for When finished, students w for CV Job S Additional b	r coursework ready to be moderation. vill explore useful ICT skills life: Writing earching basic email skills	Carousel of Video Editing: Le Game Desig Pixel <i>A</i>	choices: eavers videos ;n: Kodu Art

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KS4 Core Computing @ Oakwood



	AUT1	AUT2	SPR1	SPR2	SUM1	SUM2
JIE	WJEC Entry Pathway Entry 2 –	s – IT Fundamentals 6384/E2	WJEC Entry Pathways – Presentation Software Entry 3 – 6393/E1		WJEC Entry Pathways – Spreadsheet Software Entry 2 – 6389/E1	
Y TU COFE – Map	Students explore IT Fundamentals, including internet safety, hardware, software and best practice. A heavy focus is placed on how to stay safe online and what information is acceptable to share and what is not.		Students explore Preser focus on Microsoft Powe uses for Presentation so practice for creating th valuable presentation s collecting evidence fo	ntation Software, with a rPoint. They examine the oftware and look at best eir own. They will gain skills and work towards or their qualification.	Students explore Spreadsheet Software, with a focus on Microsoft Excel. They examine the uses for Spreadsheet software and learn how to collect, store and analyse data. They will explore commonly used formulae in Excel, create tables to house information, use sort and search functions, as well as creating graphs and charts to present their findings.	
Ð	WJEC Entry Pathways – Word Processing Entry 3 – 6391/E1		Submission Activities / ICT For Life		End of school	Activities
итт соге – мари	Students explore Word Pr focus on Microsoft Word. Word Processing, includi presentation of informatic word processing skills and evidence for the	ocessing software, with a They examine the uses for ing the clear and precise on. They will gain valuable d work towards collecting eir qualification.	Students will finalise thei submitted for When finished, students w for CV Job S Additional b	r coursework ready to be moderation. vill explore useful ICT skills life: Writing earching basic email skills	Carousel of Video Editing: Le Game Desig Pixel A	choices: eavers videos ;n: Kodu Art

Options Computing @ Oakwood



AUT1	AUT2	SPR1	SPR2	SUM1	SUM2	
Understand the pur Entry 3 – Credits: 3	pose of Advertising – KA1/E3/LQ/001	Creative Media Entry 3 – Credits	a Production Skills : 4 – KB2/E3/LQ/001	Developing Animation Entry 3 – Credits: 3 – KB2/E3/LQ/002		
 Learners will: Identify examples of advertisements. Identify key features of advertisements. Understand how advertisements appeal to specific audiences. Plan their own ideas for advertising a product. Present their own ideas for advertising a specific product. 		 Learners will: Plan the production of a consideration of some k Produce a media produ Present their media produunderstand the purpose features. Improve aspects of their 	a media product showing key aspects. ct in line with their own plan. oduct to others so that they e of the product and its key r product based on feedback.	 Learners will: Generate ideas for an animated sequence. Create story-boards for an animated sequence. Create an animated sequence in line with their own story-boards. Improve their animations based on feedback. 		
Images and Design in Newspaper and Magazines. Entry 3 – Credits: 3 – KH5/E3/LQ/001		Introduction to Inte Entry 3 – Credits	ractive Media Products : 3 – KJ3/E3/LQ/002	End of y	ear activities	
 Learners will: Plan a newspaper or m Produce a newspaper/ Understand core conce Use images in effective Use text in effective an Understand the import them appropriately. Improve aspects of the feedback. 	hagazine to a set brief. magazine epts of page design. e and appropriate ways. ad appropriate ways. tance of sections and use eir work based on	 Learners will: Plan an interactive me Produce an interactive their own plan. Test their products with their products with their products with their products with the planned in the	edia product to a brief. e media product in line with th users and gather feedback. eir own work based on this nteractive media product y features.	Carous Video Editin Game I P	el of choices: g: Leavers videos Design: Kodu xel Art	

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