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Topic Sequence:							
	1			2			
Cyber Security			Animations				
Topic Overview:							
1- 4-							
	is unit learners will discover how professionals create 3D animations using the industry-standard software package, Blender. By completing this unit learners						
	gain a greater understanding of how this important creative field is used to make the media products that we consume. Sessions will take learners through the ics of modelling, texturing, and animating; outputs will include 3D models and short videos.						
	searce of moveming, reasoning, and animating, outputs will include 30 models and short videos.						
Link	5:						
Creative iMedia – Creating a Visual Identity							
Lesson Sequence:							
Lesson 1: Move, rotate, scale, colour - Learners will look at the impact of 3D animation on the wider world, linking to their own experiences.							
	ners will be introduced to the basics of making models in Blender: de					ig, and colouring. Links	
should be made between the naming and reuse of colours, and the computer programming concept of variables.							
Lesson 2: Animation, names, parenting - This lesson covers the basics of keyframe animation, the technique behind how 3D digital animations							
are made. Learners will be able to explain the differences between keyframing and stop motion animation, and give reasons for why keyframing							
mig	might be preferable in computer animation.						
Lesson 3: Complex models and colours - This lesson covers more complex modelling techniques that can be used to build realistic-looking							
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models. Starting from primitive objects, such as cubes and cylinders, learners will use edit mode and the extrude, loop cut, and face editing							
commands to make a rocket and a chair.							
Lesson 4: Organic modelling - This fourth lesson covers modelling techniques that are used to make organic/natural-looking models. To do this,							
	ners will first see the importance of breaking symmetry in their mode						
	tools that allow for more natural-looking images, including proportional editing, the knife tool, and subdivision.						
Lesson 5: Lights, camera, render - This fifth lesson teaches learners how to set up a film shot for rendering. This includes adding extra lighting,							
adjusting the camera, picking a render mode, and changing the render settings. Learners will understand the range of lights available in Blender,							
how to set up a camera for a shot, and the benefits and drawbacks of using ray tracing in their films.							
Lesson 6: Project - This sixth and final lesson brings together all the skills that learners have covered so far. Learners will create a 3-10 second							
video based on the plan they made for homework after the last lesson. They will self-assess against a set of skills, and ask a peer to assess their							
wor	k when it is completed.						
	ional curriculum links						
 Create, reuse, revise, and repurpose digital artefacts for a given audience, with attention to trustworthiness, design, and usability 							
Sequence of Lessons: Topic Resources:							
ocquiroc of Lossons.		Knowledge			Any other		
		Мар:	9.2 Anim	ations	Resources:	Blender	
1	Lesson 1: Move, rotate, scale, colour						
587		Assessment:					
2	Lesson 2: Animation, names, parenting		t:	None			
				^			
3	Lesson 3: Complex models and colours	Application of		Students are assessed via a rubric on their final project			
	account of complex models and colours		:				
4	Lesson 4: Organic modelling	Supportive	Supportive Reading:				
	· Control · Cont						
		Blender For Dummies		Blender For Dummies: Amazon.co.uk: van Gumster,			
5	Lesson 5: Lights, camera, render			Jason: 97811196	16962: Books		
				And the same of the same of			
6	6 Lesson 6: Project Blender Tutorials I			Tutorials — blend	Tutorials — blender.org		
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