Computer Science KS3 Assessment - Gold
Year 9

Year 8 Gold Level (Advanced)				
Overview	Knowledge: What will they learn?	Skills: Understanding - What will they be able to do?	Literacy - Key Terminology	Assessment
Autumn - AI / Images	Advanced AI concepts and applications. In-depth analysis of data learning processes. Comprehensive understanding of bias and ethics in AI. Complex decision trees and their applications. Solving advanced problems with sophisticated ML models.	Analyze advanced AI concepts and their real-world applications. Evaluate data learning processes in depth. Understand and discuss the ethics of bias in AI. Create and utilize complex decision trees. Apply advanced ML models to solve multifaceted problems.	AI, Machine Learning, Data, Bias, Ethics, Decision Trees, Model, Variables, Algorithms	Comprehensive quiz on advanced AI concepts and ethics. Practical task creating and analyzing complex decision trees. End of unit assessment solving a complex problem with an advanced ML model.
Spring - Stop Motion Animation	Advanced stop motion animation techniques. Comprehensive project planning and execution. Mastering recording techniques and equipment. Exporting professional-quality animations. Rigorous evaluation and iterative improvement.	Plan, storyboard, and execute a professional-quality stop motion animation. Master advanced recording techniques and equipment. Export animations with high-quality sound and visual effects. Conduct rigorous evaluations and make iterative improvements.	Stop Motion, Animation, Storyboard, Recording, Export, Evaluate, Effects, Professional Quality	Practical task creating a professional-quality storyboard. Recording a high-quality stop motion animation. End of unit project exporting a professional-quality animation and conducting a rigorous evaluation.

Summer - Media Production	Advanced media production techniques and workflows. Critical analysis of project briefs. Professional-level audience targeting and creative development. Mastery of design principles (advanced typography, editing, sound mixing, professional camera use). Rigorous evaluation and refinement process.	Critically analyze a project brief and tailor production to a specific audience. Plan, storyboard, and execute a professional-level media project. Apply advanced design principles and production techniques. Use industry-standard editing practices. Conduct rigorous peer/self-assessment and iterative improvements. Export media in professional formats with polished quality. Reflect on effectiveness and impact of the final product.	Media, Production, Audience, Mood Board, Storyboard, Typography, Export, Evaluate, Camera Angles, Sound Design, Editing, Professional Quality	Practical task creating a professional storyboard. Advanced media project (advertising campaign, short video, or multimedia brand identity). End of unit project: professional-quality export and rigorous evaluation. Homework 2: Extended written reflection on the full production process and effectiveness for the intended audience.

Progress check	KS3 - Progress check
Gold	What measurable criteria will you use to determine who is Above Expected, Expected, Below Expected, Cause for Concern? Using the average of assessed work this term. Above Expected: 90%+ Expected: 65%-89%

	Below expected: 50% - 64% Cause for concern < 50%