UNIT OVERVIEW & LEARNING JOURNEY
YEAR 8 – COMPUTING: TERM 2

ARTIFICIAL INTELLIGENCE & PRESENTATION SKILLS

Welcome, future digital communicators! Get ready to master the fundamentals of Artificial Intelligence and one of the most powerful communication tools - PowerPoint!

In this exciting journey, you'll learn how to structure, calculate, analyze, and visualize data to solve real-world problems. This unit is designed to take you from having very little knowledge of AI and presentation software to being able to confidently communicate complex digital concepts.

You'll develop skills in everything from basic slide creation to powerful functions like hyperlinking, animation, and charting. These skills aren't just for Computing class; they will be useful in other subject areas too.

Your digital power-up – What you'll learn and achieve:

Here's a look at what you already know, the exciting new skills you'll gain, and where your digital advocacy journey can take you!

What I already know: My digital superpowers from before	New adventures this term: What we'll learn	Where we're heading next: Your future digital journey
How to use digital devices	Use a range of formatting techniques in a presentation	Develop advanced skills in digital communication and analysis
Basic word processing skills	Apply Slide Masters to ensure a uniform design across slides	Become proficient in using presentation functions to solve complex problems
You understand that software has different purposes	Demonstrate how to insert and test hyperlinks to create menu buttons	Undertake creative projects involving digital media and presentation
	Apply transitions and animations to enhance clarity and engagement	Confidently use presentation software in other subject areas
	Insert and adjust videos and audio clips into a presentation	Continue your digital journey to master advanced AI concepts and communication
	Use SmartArt and charts to visually organize and present data	
	Apply all presentation skills to a final structured project on the Future of AI	

Weekly missions: Developing your digital voice

Lesson 1: Introduction to AI + PowerPoint Basics - Define AI and create basic slides	
Skills:	**Key words:**
• Add a title and bullet points to a slides • Organize information clearly in a presentation format	AI | Artificial Intelligence | Slide | Bullet Point
RAG rate your confidence with this lesson	☹ 😐 🙂

Lesson 2: History of AI + Slide Master - Understand AI history and consistent design	
Skills:	**Key words:**
• Apply Slide Master to create a uniform look across slides • Organize historical information clearly	History | Consistent Design | Slide Master |Turing Test
RAG rate your confidence with this lesson	☹ 😐 🙂

Lesson 3: Machine Learning + Menu Buttons - Explore Machine Learning and add interactivity	
Skills:	**Key words:**
• Insert hyperlinks in PowerPoint • Create menu buttons that link to different slides • Organize content for easy navigation	Machine Learning | Algorithm | Data | Hyperlink |Menu Button | Interactive
RAG rate your confidence with this lesson	☹ 😐 🙂

Lesson 4: Neural Networks + Animations - Learn how AI learns and use visual effects	
Skills:	**Key words:**
• Apply transitions between slides • Add animations to text and objects • Use animations to enhance clarity and engagement	Neural Network | Neuron | Brain | Transition | Animation
RAG rate your confidence with this lesson	☹ 😐 🙂

Lesson 5: Revision – Revise for test and create material to memorise knowledge form this unit

Lesson 6: AI Ethics + Multimedia - Discuss moral issues and integrate media	
Skills:	**Key words:**
• Insert videos and audio clips into PowerPoint • Adjust playback settings • Combine multimedia with text for effective communication	Ethics | Fairness | Bias | Privacy | Job Impact |Multimedia | Video | Audio
RAG rate your confidence with this lesson	☹ 😐 🙂

Lesson 7: Real-World AI + SmartArt / Chart - Identify applications and present data visually	
Skills:	**Key words:**
• Insert SmartArt to organize ideas visually • Create and customize charts to present data • **Test on paper**	Application | Sector | SmartArt | Chart | Data | Professional | Healthcare | Transport
RAG rate your confidence with this lesson	☹ 😐 🙂

Lesson 7: Future of AI & Final Project - Apply all skills to a summative presentation	
Skills:	**Key words:**
• Apply all previously learned PowerPoint skills • **Get ready for your teacher to celebrate your amazing skills!**	Future | Reflection | Planning | Design | Project | Assessment
RAG rate your confidence with this lesson	☹ 😐 🙂