

The North Gosforth Academy (Subject) Learning Journey

Knowledge and Application

	A01 Knowledge	A02 Understanding	A03 Analyse problems	A04 Plan solutions to problems	Skills Use technology confidently & responsibly
Excelling	Demonstrate relevant and comprehensive knowledge and understanding	Effectively apply key concepts, principles and mathematical skills, using sustained analytical, logical and evaluative computational thinking, to a wide range of complex problems		Develop and refine a complete solution that meets the requirements of a substantial problem	Recognises inappropriate content, contact & conduct & knows how to report concerns. Understands ways to use technology safely, respectfully, responsibly & securely (protecting ID & privacy)
Exceeding	Demonstrate consistently accurate knowledge and understanding	Accurately apply key concepts, principles and mathematical skills, using analytical, logical and evaluative computational thinking, to a range of problems		Produce workable solutions and now aware of its limitations	Accurate recognition of inappropriate content, contact & conduct & how to report concerns. Able to use technology safely, respectfully, responsibly & securely
Achieving	Demonstrate mostly accurate and appropriate knowledge and understanding	Appropriately apply key concepts, principles and mathematical skills, using analytical, logical computational thinking, to a range of problems		Produce a working solution that meets most requirements of a substantial problem	Mostly accurate recognition of inappropriate content, contact & conduct & how to report concerns. Able to mainly use technology safely, respectfully, responsibly & securely
Developing	Demonstrate limited knowledge and understanding of fundamental concepts and principles	Apply key concepts, principles and mathematical skills, using basic analytical and logical computational thinking, to straightforward problems with limited accuracy		Produce a partially working solution that meets some requirements of a substantial problem	Limited recognition of inappropriate content, contact & conduct & how to report concerns. Limited understand ways to use technology safely
Emerging	Demonstrate very weak knowledge and understanding	Application of key concepts, principles and mathematical skills is limited.		Produce a limited solution however it does not meet the problem requirements.	Unable to recognise inappropriate content, contact & conduct & how to report concerns.

In Year 9, the students' knowledge journey...					
In Year 8, students' knowledge journey...				Assessment 1: Cyber security Interface Design	Assessment 2: Assessment 1 content AND Programming Binary Computer systems Spreadsheets Visual graphics
In Year 7, students' knowledge journey includes...		Assessment 1: Digital and internet safety PowerPoint skills	Assessment 2: Assessment 1 content AND Programming Flowcharts Algorithms Spreadsheets Bitmaps and vectors		
Assessment 1: Getting Started E-Safety Word processing skills	Assessment 2: Assessment 1 content AND DTP skills Basic programming Computer components Basic spreadsheets				