KS3 Age Related Expectations

COMPUTING

YEAR 7

APPROACHING STANDARD	AGE RELATED	GREATER DEPTH	GREATER DEPTH PLUS
I can create folders. I can identify some features on one program. I can identify some hardware components and some software applications. I can identify computational abstractions. I can identify simple algorithms. I can identify the name one programming language. I can identify digital artefacts for any audience. I can identify one way to use technology safely.	I can create and delete folders. I can identify some features on one program to demonstrate IT creative skills. I can identify all hardware components and variety of software applications. I can identify the use computational abstractions, modelling the state behavior of systems. I can identify & explain simple algorithms that reflect computational thinking. I can briefly explore the use one programming language to solve computational problems. I can identify digital artefacts for a given audience. I can identify ways to use technology safely.	I can create, rename and delete folders. I can use some features on one program to demonstrate IT creative skills. I can briefly describe all hardware components and variety of software applications. I can describe the use computational abstractions, modelling the state behavior of systems. I can identify & explain complex algorithms that reflect computational thinking. I can use one programming language to solve computational problems. I can identify and describe digital artefacts for a given audience. I can describe ways to use technology safely.	I can create, rename, move and delete folders. I can use many features on one program to demonstrate IT creative skills. I can explain the purpose of a variety of different hardware components and the purpose of a variety of software applications. I can explain the use computational abstractions, modelling the state behavior of systems. I can identify & explain complex algorithms that reflect computational thinking, understanding the purpose of all. I can use two or more programming language to solve computational problems. I can create digital artefacts for a given audience. I can explain ways to use technology safely, with specific reasons.

How do I make progress in Computing?

PROGRESSION

YEAR 8

APPROACHING STANDARD	AGE RELATED	GREATER DEPTH	GREATER DEPTH PLUS
I can create and delete folders. I can identify some features on one program to demonstrate IT creative skills. I can identify all hardware components and variety of software applications. I can identify the use computational abstractions, modelling the state behavior of systems. I can identify & explain simple algorithms that reflect computational thinking. I can briefly explore the use one programming language to solve computational problems. I can identify digital artefacts for a given audience. I can identify ways to use technology safely.	I can create, rename and delete folders. I can use some features on one program to demonstrate IT creative skills. I can briefly describe all hardware components and variety of software applications. I can describe the use computational abstractions, modelling the state behavior of systems. I can identify & explain complex algorithms that reflect computational thinking. I can use one programming language to solve computational problems. I can identify and describe digital artefacts for a given audience. I can describe ways to use technology safely.	I can create, rename, move and delete folders. I can use many features on one program to demonstrate IT creative skills. I can explain the purpose of a variety of different hardware components and the purpose of a variety of software applications. I can explain the use computational abstractions, modelling the state behavior of systems. I can identify & explain complex algorithms that reflect computational thinking, understanding the purpose of all. I can use two or more programming language to solve computational problems. I can create digital artefacts for a given audience. I can explain ways to use technology safely, with specific reasons.	I can create an effective file structure with appropriate names and subfolders to organize my work area. I can use many features on two or more programs to demonstrate IT creative skills. I can identify, explain and effective discuss the purpose of a variety of different hardware components and the purpose of a variety of software applications. I can explain and improve the use computational abstractions, modelling the state behaviour of systems. I can identify, explain and solve complex algorithms that reflect computational thinking, understanding the purpose of all. I can use two or more programming language to solve computational problems, efficiently solving all issues. I can create, reuse, revise and repurpose digital artefacts for a given audience. I can explain in detail ways to use technology safely, securely and responsibly.

ACET – EMPOWERING ACHIEVEMENT • STRIVING FOR EXCELLENCE

PROGRESSION

YEAR 9

APPROACHING STANDARD	AGE RELATED	GREATER DEPTH	GREATER DEPTH PLUS
I can create, rename and delete folders. I can use some features on one program to demonstrate IT creative skills. I can briefly describe all hardware components and variety of software applications. I can describe the use computational abstractions, modelling the state behavior of systems. I can identify & explain complex algorithms that reflect computational thinking. I can use one programming language to solve computational problems. I can identify and describe digital artefacts for a given audience. I can describe ways to use technology safely.	I can create, rename, move and delete folders. I can use many features on one program to demonstrate IT creative skills. I can explain the purpose of a variety of different hardware components and the purpose of a variety of software applications. I can explain the use computational abstractions, modelling the state behavior of systems. I can identify & explain complex algorithms that reflect computational thinking, understanding the purpose of all. I can use two or more programming language to solve computational problems. I can create digital artefacts for a given audience. I can explain ways to use technology safely, with specific reasons.	I can create an effective file structure with appropriate names and subfolders to organize my work area. I can use many features on two or more programs to demonstrate IT creative skills. I can identify, explain and effective discuss the purpose of a variety of different hardware components and the purpose of a variety of software applications. I can explain and improve the use computational abstractions, modelling the state behaviour of systems. I can identify, explain and solve complex algorithms that reflect computational thinking, understanding the purpose of all. I can use two or more programming language to solve computational problems, efficiently solving all issues. I can create, reuse, revise and repurpose digital artefacts for a given audience. I can explain in detail ways to use technology safely, securely and responsibly.	I can create, rename, move and delete folders and view in variety of ways. I can use many features on more than one program to demonstrate IT creative skills. I can explain the purpose of a variety of different hardware components and the purpose of a variety of software applications with given benefits. I can explain the use computational abstractions, modelling the state behavior of systems, understanding the outcomes on variety of systems. I can fully explain complex algorithms that reflect computational thinking, understanding the purpose, solving complex errors. I can use two or more programming language to solve complex computational problems. I can create and plan detailed digital artefacts for a given audience. I can explain ways to use technology safely, with specific reasons on a variety of different platforms.