

I am online-safe, online-inspired and online-confident!

St Joseph's Computing Mission Statement: To understand and use computational thinking and creativity to understand and change the world.

Skill Area	Red	Orange	Yellow	Green	Blue	Indigo	Violet
Online Safety	I can play appropriate games on the internet and I can talk about good and bad choices.	I can show how to use technology safely.	I can explain how rules can keep them safe when using information technology.	I can explain why some information on the World Wide Web may not be accurate.	I can explain how information can spread quickly online and the implications of this.	I can explain how working together on the internet is not always private and can be public.	I can explain what I should consider before sharing online and identify a range of ways to report concerns.
Computational Thinking	I can follow a basic set of instructions.	I can assemble instructions into a simple algorithm.	I can follow and create a clear and precise algorithm.	I can use logical reasoning to explain how simple algorithms work and explain the purpose of an algorithm.	I can create algorithms for a specific purpose.	I can predict how software will work based on previous experience.	I can decompose a program into an algorithm. I can use past experiences to help solve new problems.
Computing Systems and Networks	I can help adults operate equipment around school.	I can identify and use the main parts of a computer.	I can describe some uses of computers and identify information technology in school and beyond.	I can identify input and output devices and explain how a computer network can be used to share information.	I can explain the benefits of the World Wide Web and evaluate the reliability of content and the consequences of unreliable content.	I can explain how information is transferred across the internet.	I can evaluate the results of search terms. I can evaluate different methods of online communication.
Multimedia	I can recognise text, images and sounds when using technology.	I can use a range of tools to create a piece of artwork or text.	I can use a camera to take a picture by using zoom, lighting and filters.	I can organise text and image placeholders in a page layout. I can review a captured sequence of frames as an animation.	I can record sound, locate the recorded audio and edit the audio. I can use a computer to manipulate images.	I can create a vector drawing for a given purpose. I can use a recording device and a computer to make a video.	I can create a 3D graphical objects on a computer screen. I can create a web page that includes text, media and hyperlinks.
Data and Information	I can use a simple pictogram or set of photos to count and organise information.	I can recognise that information can be presented in different ways.	I can enter data onto a computer and view data in different formats (graphs, tables)	I can retrieve information from different levels of the branching database.	I can use a computer program to sort data by one attribute and present data in a table or graph.	I can choose suitable ways to present information to other people.	I can apply formulas to data including duplication.
Programming	I can press buttons on floor robots and talk about movement.	I can choose a series of commands that can be run as a program.	I can trace a sequence to make a prediction and test the prediction by running the sequence.	I can create a sequence of commands to produce a given outcome.	I can plan a programme that includes appropriate loops to produce a given outcome.	I can show that a condition can switch program flow in one of two ways and use a condition statement to produce given outcomes.	I can identify a variable in an existing program and decide where in a program to set a variable.