Teach Computing Curriculum – STEM Learning

Why we use the Teach Computing Curriculum?

- Resources include lesson plans, slides, activity sheets, homework, and assessments
- Each key stage has a teacher guide and curriculum map to help you get started
- Built around an innovative progression framework where computing content has been organised into interconnected networks we call learning graphs
- Created by subject experts, using the latest pedagogical research and teacher feedback
- All of the content is free for you to use, and in formats that make it easy for you to adapt it to meet the needs of your learners

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Computing Systems and Networks	**Creating Media**	**Programming A**	**Data and Information**	**Creating Media**	**Programming B**
Year 1	*Technology around us*	*Digital painting*	*Moving a robot*	*Grouping data*	*Digital writing*	*Programming animations*
Year 2	*Information technology around us*	*Digital photography*	*Robot algorithms*	*Pictograms*	*Making music*	*Programming quizzes*
Year 3	*Connecting computers*	*Stop-Frame animation*	*Sequencing sounds*	*Branching databases*	*Desktop publishing*	*Events and actions in programmes*
Year 4	*The Internet*	*Audio production*	*Repetition in shapes*	*Data logging*	*Photo editing*	*Repetition in games*
Year 5	*Systems and searching*	*Video production*	*Selection in physical computing*	*Flat file databases*	*Vector drawing*	*Selection in quizzes*
Year 6	*Communication and collaboration*	*Webpage creation*	*Variables in games*	*Introduction to spreadsheets*	*3D modelling*	*Sensing*

This document gives an overview (long term plan) of the Computing curriculum at Sacred Heart – this is based on Teach Computing from the STEM Learning and is derived from the National Curriculum (2014).

The content and end of unit expectations on a year group basis are detailed in the Key Stage curriculum document, which provides more information on the lesson content.

Online and e-safety are taught within the PHSE curriculum and are taken from the UK Council for Internet Safety document - Education for a Connected World – 2020 Edition.