



Computing at Tacolneston & Morley

Vision Statement	Big Ideas	Content and Sequencing
At our schools, we aim to cover the	Become creative, logical, critical thinkers, who reason	The teaching of Computing is:
requirements of the Computing programmes	systematically and work collaboratively. Risk taking and inno	 Knowledge and skills rich
of study on an annual basis. Revisiting each	will be enriched through computer science	 Grounded in creative, practical, active,
year will ensure both continuity and	• Analyse problems in computational terms, and have repeated	ed exploratory and hands-on experiences
progression for pupils. Each class will adapt	practical experience of writing computer programs in order	to solve • Well sequenced and builds on what has
the subject content to meet the needs of the	such problems	been learned so far
current cohort, combing discrete computing	• Appreciate the relevance of digital literacy in our society and	d that it • Challenges all pupils to think deeply,
lessons to deliver subject knowledge	as an essential tool for learning, communication, finding	reason and problem solve
expectations with the embedding of	information and for controlling and understanding the envir	onment • Include discrete and cross-curricular
computational thinking across the curriculum.	• To explore attitudes towards computing and its value. For e	xample, teaching and learning
This will ensure that there is a clear sense of	to learn about issues of security, confidentiality and accurac	y. As • Clearly aligned to the Computing
building on what the children have already	children's confidence grows they will be able to make inforr	ned and Programme of Study
experienced, and what subsequent steps in	discerning choices about their use of information technolog	y
learning are likely to involve.		
Cross-curricular Links	Support	Progress
Computing is one of the most fundamentally	We recognise that all classes have children with widely	Content is taught in small, manageable steps to
cross-curricular subject areas in education. It's	differing abilities. This is especially true when some	reduce cognitive load.
about using technology, logic, creativity and	children have access to digital technologies at home,	Children are given the opportunity to demonstrate
computational thinking to solve problems that	while others do not. We provide suitable learning	that they have made progress. We can do this by:
cross all disciplines. It requires the systematic	opportunities for all children by matching the challenge of	• Evidence – Using individual or class folders on the
breakdown (decomposition) of both the problen	the task to the ability and experience of the child. We	school network to contain digital work
and the solution. We need to prepare pupils for	achieve this in a variety of ways, by:	Teacher Feedback
how to live in an increasingly digital world by	 Setting common tasks which are open-ended and 	Self/Peer review
equipping them with the knowledge,	require a variety of responses, including problem	 Assessment Projects – Using end-of-unit open-
understanding and skills to solve yet unknown	solving and creative and analytical thinking	ended project tasks allow pupils to demonstrate
problems using tools and technologies that do n	• Setting tasks of increasing difficulty, evidenced in	learning
yet exist. We can work towards achieving this by	planning through differentiation and expected	• Progress Tracking – Understanding where pupils
using computing as a means of making sense of	outcomes	are and planning next steps to meet age-related
the world and using what the children learn in	 Providing appropriate adult support to scaffold 	expectations
computing across the curriculum.	learning and to aid the work of the individual or group	