Computing on a Page

Lothersdale Computing Curriculum

Our computing curriculum at Lothersdale Primary School is supported by the Teach Computing curriculum and resources provided by the National Centre for Computing Education.

We selected Teach Computing because it:

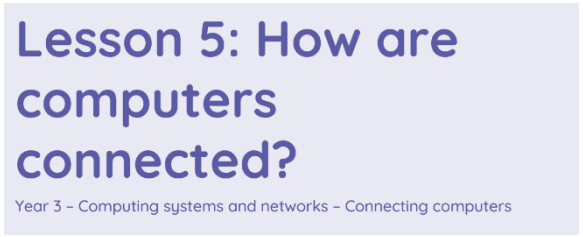
- Provides resources including lesson plans, slides, activity sheets, homework, and assessments tasks.
- Each key stage has a teacher guide and curriculum map.
- Built around an innovative progression framework where computing content has been organised into interconnected networks called learning graphs.
- Created by subject experts, using the latest pedagogical research and teacher feedback.

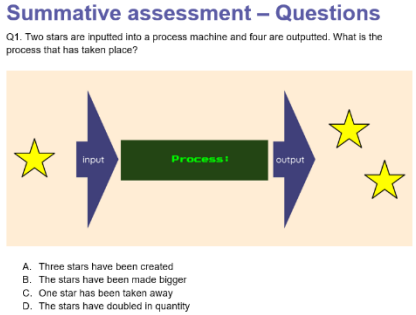
We have used the resources and planning tools within Teach Computing to design a two-year rolling programme computing curriculum. Our curriculum ensures that knowledge is built systematically across the different computing domains: computer systems and networks, creating media, data & information and programming. Throughout these units, we have a consistent input of computer safety information.

LOTHERSDALE PRIMARY SCHOOL – COMPUTING LONG TERM PLAN

	Class 2		Class 3		Class 4	
Term	Year A	Year B	Year A	Year B	Year A	Year B
Autumn	CS & NW - Technology around us - Online safety	CS & NW - Technology around us - Online safety	CS & NW - The internet - Online safety	CS & NW - Connecting computers - Online safety	CS & NW - Communication - Online safety	CS & NW - Sharing information - Online safety
Spring	CM - Digital Photography	CM - Digital Writing	CM - Photo editing	CM - Stop frame animation	CM - Web page creation	CM - Video editing
Summer	DI - Pictograms P - Introduction to quizzes	DI - Grouping Data P - Introduction to animation	DI - Data logging P - Repetition in games	DI - Branching databases P - Events and actions	DI - Spreadsheets P - Variables in games (Y6)	DI - Flat-file databases P - Selection in quizzes (Y5)

Provided teaching slides





Assessment

Both formative and summative assessment is used in computing. Formative assessment is on-going to ensure that intervention is provided at the point of need.

Summative assessment happens half termly using the Memory Monday activities and at the end of each computing unit using the summative assessment activity provided by Teach Computing. This ensures that children are assessed on previous learning throughout the year. Moderation activities also take place during subject staff meetings to ensure clear evidence of progression throughout school.