

Subject on a Page



Computing

At Rolvenden, we understand the important role which information technology plays in everyday life and want all of our pupils to be able to grow up into responsible, digital citizens who are able to use technology in order to express their ideas and overcome any challenges which they are set.

Computing is normally taught in KS1 and KS2 in 45 minute lessons on a weekly basis. Foundation Stage children have access to technology as part of child-initiated activities and are encouraged to gain familiarity through logging in to their user name and experimenting with simple software and programming.



Intent - What do we aim to deliver?

Digital Literacy

Children are able to find, evaluate, utilise, share and create content using information technology and the internet.

Computer Science

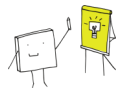
Children understand how digital technology systems work and can use and program algorithms to achieve specific outcomes.

Information Technology

Use of computers and technology for functional purposes such as collecting and presenting information or using search technology.

Responsible digital citizens.

Children are able to use all technology safely, identifying threats to themselves and others.



Implementation - How do we aim to deliver it?



Innovative, progression-based framework

Teachers use the 'Teach Computing' progression from the National Centre for Computing Education. Resources which are designed by professionals are adapted by staff here at Rolvenden to make them suitable and effective for our children.



Chromebooks and iPads

The computing curriculum at Rolvenden is delivered primarily using Chromebooks. The children are also introduced to iPads and E-Readers which are used across the curriculum.



Google Suite and Google Classroom

Children all have their own, secure logins which they can use to access the full Google Suite of applications along with email and cloud storage facilities. The children are taught how to use these safely and effectively.



Impact - How will we know when we have delivered it?

High Levels of Engagement and Enjoyment

Children at Rolvenden enjoy Computing lessons and understand not just how things occur but why they occur. They are able to adapt, change and refine their projects in order to make them most effective.



Ensuring Progress

Throughout each unit, children are asked to produce pieces of work which help them independently demonstrate the skills that they have been taught. Teachers use the skills map in conjunction with the Teach Computing units as a framework for identifying children who have achieved the expected standard and any additional support which is required.



Whole Curriculum Impact

Children are able to apply their computing skills across the whole curriculum - using technology to express their ideas effectively.