ICT and Computing at Cranford Park CE Primary School

What We Do	Why We Do It
We use the Purple Mash scheme of work for computing	The scheme covers all areas of the curriculum, showing a clear progression from year to year throughout the school. It covers the three key areas of the curriculum: digital literacy, IT and computer science. The resources are all prepared thus allowing teachers time to adapt them to meet the needs of all pupils.
Online safety and digital literacy	Online safety is of utmost importance to staff. Each year group has digital literacy units of work that cover aspects of online safety at an age appropriate level. Online safety opportunities are also included throughout the other units as appropriate, so that this is taught throughout the year. Children are regularly reminded of how to stay safe online and the teachers refer to online safety in different contexts and subjects so it is not just thought of as a Computing concept. At the beginning of each lesson in the IT suite, children are directed to the SMART guidance to remind them of the key points. An annual online safety day takes a deeper look at issues currently relevant to our pupils. A weekly report of searches to the online safety lead also informs curriculum practice.
SMSC and safeguarding	The digital literacy units within the Purple Mash schemes of work give children an opportunity to safely explore social media in an age appropriate way and provide activities where children can discuss what to do when issues arise online that make them feel uncomfortable. Purple Mash has the facility to have child to child emails which can be monitored by staff and the children are able to report to teachers any inappropriate content.
Revisiting and remembering 'Sticky Knowledge'	At the start of each unit of work, the children have a 'Knowledge Organiser' to add to their computing journal. This can be highlighted and annotated throughout the topic. At the beginning of each lesson, the teacher will 'revisit' sticky knowledge from a previous computing lesson. This ensures important knowledge is retained and memorised and can be built upon. At the end of each lesson, children will 'journal'/briefly comment on their learning from the lesson. In KS1, a whole class journal will be kept to record learning.
We provide clear objectives	Lessons start with a powerpoint presentation introducing the content of the lesson. This includes clear learning objectives, success criteria and background information.
Key vocabulary is highlighted	Key vocabulary is highlighted in the lessons and on the unit Knowledge Organisers, thus ensuring a progression through the school. This also supports children to develop a deeper understanding of the lesson content. Knowledge organisers and key vocabulary are displayed during the lesson on the IWB display for children and teachers to refer to regularly.
Each child works on their own computer	Each child has their own individual computer and purple mash logins. This allows each child to complete the activities independently. Teachers can then assess the skills of individual children rather than assuming understanding when another child has, in fact, completed the work. Laptops can be used alongside computers in the ICT suite.
Resources are kept up to date	Laptops and ipads are available for all year groups to use across the curriculum. Other hardware such as microphones and Bee-bots are available to support learning. The Computing leader maintains an up to date audit of resources and each year there is an investment in hardware and/or software. A range of software supports children across the curriculum.

Activities assess understanding	Children create an online portfolio within purple mash within which they can put the work they do in computing lessons. This enables teachers to look at the children's work, assess it and provide next steps.
We ensure each child has regular assessment and feedback	Using the online portfolio in purple mash, children's work is assessed and comments given, which then appear in the children's alerts for them to look at during the next lesson. Every child should receive a comment or symbol from their teacher in the purple mash portfolio each week/lesson. Each piece of work is assessed in each lesson through the online portfolio, which builds up a picture of evidence against objectives. This helps teachers to know whether children are working at the standard expected for their year group. A half- termly overview assessment is made which is reported to parents in the annual report.
We offer child-led opportunities	Within topics such as coding, there are opportunities provided that allow the children to take the knowledge that they have gained to complete their own projects.
Liaison	The Computing leader liaises with others outside of the school and keeps up to date with research to ensure that ideas are current. To keep the children aware of how computing is used within industry, parents and local businesses are invited into school to share with the children how technology impacts their jobs.