Computing Curriculum

Curriculum Intent

Computing is taught discretely here at St Michaels, where teachers use Purple Mash Computing Scheme of Learning to deliver in-depth units which give a rich and varied Computing Curriculum. Children have access to a class set of Chromebooks to help them to flourish in their Computing learning. Our computing objectives are grouped in Years 1 and 2, Years 3 and 4 and Years 5 and 6, as defined in the National Curriculum and these have been pulled and condensed from the Purple Mash programme.

Our computing teaching is underpinned by e-safety, as we feel that it is fundamental that children understand there are dangerous when using and opening ourselves up to the internet. There are then three areas for our teaching and learning in Computing; Computer Science, Information Technology and Digital Literacy. Key skills and knowledge are clearly set out, enabling teachers to understand the precise requirements of each strand within their year group. The units from Purple Mash also highlight the vocabulary needing to be taught for each unit, very clearly, in order to fully immerse children in the subject. It is vital that Farnsfield St Michael's children leave us, being able to confidently use technology and safely communicate online, ensuring that they are well-equipped for the secondary curriculum.

Our curriculum intent for Computing is to: provide children with opportunities to develop key transferrable skills, know how to stay safe online by following SMART rules, and know who to tell and report to about something that is 'unsafe'. We want to develop computer literate children who can thrive in a technologically advancing world.

	Year 1 - 6
Pedagogical Approach and Strategies	✓ Following the PurpleMash Computing Scheme of Learning units, which have been pre-organised into mixed aged cycles. ✓ Learning in parallel classes should mirror each other – following the Purple Mash units in sync with the overviews. ✓ Follows the statements on the Computing progression document which matches the Purple Mash outcomes. ✓ Computing will follow four different strands. -Computer Science (including Online Safety) -Information Technology -Digital Literacy
Timetabling	✓ Computing lessons are taught discrete, in a one hour slot every week throughout the entire academic year. They **must** follow the Computing Scheme of learning units from Purple Mash
Computing across and outside of the curriculum	✓ There are many opportunities for Computing to be used across all other curriculum subjects and this is encouraged. Purple Mash offers a very extensive range of activities and units for all subjects which would create excellent opportunities to supplement the learning going on in other lessons.

Vocabulary	✓ At the start of each new unit, the Knowledge Organiser for that unit should be printed and stuck into What If books and available to pupils. This includes relevant vocabulary for that unit. ✓ Accurate vocabulary to be used in class discussions/lessons and in books. ✓ Staff must expect children to use the correct vocabulary in the lessons.
Expectations for recording children's work	✓ Work completed will usually be on Purple Mash via 2Dos or in the 2Work folders. ✓ Some lessons do require work to be completed on sheets/in books. This should be done in What If books with our school presentation expectations in line with 'Beautiful Books'. ✓ Practical lessons/discussion based lessons can be evidenced in floor books – children can annotate or label.
Expectations for marking	✓ Teachers to at least acknowledge work with tick or emoji on Purple Mash. ✓ Comments written when appropriate to develop understanding and knowledge. ✓ Comments should also promote depth and challenge. ✓ Teachers to mark in green pen if work completed in books. ✓ If written feedback given that requires response, then time must given in the next lesson for children to respond. ✓ Preferable, feedback to be immediate and acted upon with the lesson. ✓ Teachers should mark according to the Feedback and Marking Policy.
Expectations for absent children	✓ Teachers to ensure children given recap of lessons missed/previous learning.
Environment	✓ Purple Mash provides all the resources needed for lessons; including powerpoints, knowledge organisers, activities needed for that lesson both online and printed off. These should be looked at before the lesson to ensure staff are fully prepared. ✓ Examples of children's work could be included on displays, if appropriate.

EAL provision	✓ Resources could be shared with parents to encourage continued learning at home in first language. ✓ Visual support and/or bilingual dictionaries with images will help EAL children to show their understanding in this area of learning. (Many dictionaries have clearly presented sections/pages which can be easily referred to by both children and teachers).
Homework	✓ Homework may be set on Purple Mash if appropriate. This is not an expectation. ✓ Children to have their log ins in their Reading Diaries so they can use the site at home, at their leisure.