Computing Overview

Intent	Implementation	Impact
All children are encouraged to: • use computational thinking skills to process information in a logical way; • develop coding skills and subject specific vocabulary; • develop the ability to use computing equipment to manipulate and present written word, images and sounds so as to convey a message effectively; • use computing equipment to store information, retrieve and then present it in ways that enhance interpretation and analysis; • be efficient and effective communicators and collaborators; • apply their computing skills and knowledge to their learning in other areas; • be confident in handling hardware, software and other computing equipment; • develop skills, knowledge and behaviours that can help to navigate the online world safely and confidently. As part of our Computing provision at Westgate, we aim to: • meet the requirements of the National Curriculum programmes of study for computing; • provide a relevant, challenging and enjoyable computing curriculum that is progressive throughout the whole school; • create a culture that incorporates the principle of online safety across all elements of school life; • equip pupils with confidence and capabilities to use ICT and computing skills in a digital world that is constantly changing and evolving; • give opportunities to develop computing skills, knowledge and understanding from the early years through to Year 6.	As part of this planning process, teachers need to plan the following: • A cycle of lessons for each unit, which carefully plans for progression and depth in three strands - computer science (Programming and Theory) information technology, digital literacy; • Relevant computing vocabulary – identify and ensure that this is taught and used accurately by both staff and pupils; • Challenging questions for pupils to apply their computational thinking using open-ended questions; • Link the curriculum to the school's INSPIRE vision and British Values; • Give pupils the opportunity to work collaboratively and communicate effectively; • Provide learning opportunities matched to the needs of pupil with SEND • Identify areas of weakness and seek support from the computing lead or organise CPD. As part of this assessment process, teachers will: • Use Insight focussed assessments every term to inform assessment and teaching; • Make observations during lessons and give feedback to aid progress; • Use an e-portfolio of pupils work which is saved to the network. The Computing lead will: • Support LSAs with supporting student needs • Develop and monitor the computing curriculum	Impact is measured by ensuring that children not only acquire the age-related knowledge linked to the computing curriculum, but also skills which equip them to progress from their starting points, and within their everyday lives. All children will have: • The knowledge needed to make best use of the internet and technology in a safe, considered and respectful way, so they are able to reap the benefits of the online world; • Become proficient users of technology who are able to work both independently and collaboratively; • a wider variety of skills to use a range of platforms effectively; • An increased vocabulary which will enable them to articulate their understanding of taught concepts; • developed Key life skills such as problem-solving, logical thinking and self-evaluation, which will continue to build on their next stage of education and beyond. In addition, we measure the impact of our curriculum through the following methods: • Monitoring and analysis of pupil progress; • Pupil discussions about their learning (pupil voice); • Termly assessment using Insight, showing attainment and progress.