

## Computing Overview

Intent	Implementation	Impact
<p>All children are encouraged to:</p> <ul style="list-style-type: none"> <li>● use computational thinking skills to process information in a logical way;</li> <li>● develop coding skills and subject specific vocabulary;</li> <li>● develop the ability to use computing equipment to manipulate and present written word, images and sounds so as to convey a message effectively;</li> <li>● use computing equipment to store information, retrieve and then present it in ways that enhance interpretation and analysis;</li> <li>● be efficient and effective communicators and collaborators;</li> <li>● apply their computing skills and knowledge to their learning in other areas;</li> <li>● be confident in handling hardware, software and other computing equipment;</li> <li>● develop skills, knowledge and behaviours that can help to navigate the online world safely and confidently.</li> </ul> <p>As part of our Computing provision at Westgate, we aim to:</p> <ul style="list-style-type: none"> <li>● meet the requirements of the National Curriculum programmes of study for computing;</li> <li>● provide a relevant, challenging and enjoyable computing curriculum that is progressive throughout the whole school;</li> <li>● create a culture that incorporates the principle of online safety across all elements of school life;</li> <li>● equip pupils with confidence and capabilities to use ICT and computing skills in a digital world that is constantly changing and evolving;</li> <li>● give opportunities to develop computing skills, knowledge and understanding from the early years through to Year 6.</li> </ul>	<p>As part of this planning process, teachers need to plan the following:</p> <ul style="list-style-type: none"> <li>● Using KAPOW, deliver 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;</li> <li>● Relevant computing vocabulary – identify and ensure that this is taught and used accurately by both staff and pupils;</li> <li>● Challenging questions for pupils to apply their computational thinking using open-ended questions;</li> <li>● Link the curriculum to the school’s INSPIRE vision and British Values;</li> <li>● Give pupils the opportunity to work collaboratively and communicate effectively;</li> <li>● Provide learning opportunities matched to the needs of pupil with SEND</li> <li>● Identify areas of weakness and seek support from the computing lead or organise CPD.</li> </ul> <p>As part of this assessment process, teachers will:</p> <ul style="list-style-type: none"> <li>● Use KAPOW unit quiz assessments to assess knowledge of the topic covered;</li> <li>● Record assessments on Insight;</li> <li>● Make observations during lessons and give feedback to aid progress;</li> <li>● Use an e-portfolio of pupils' work which is saved to the network</li> </ul> <p>The Computing lead will:</p> <ul style="list-style-type: none"> <li>● Support LSAs with supporting student needs</li> <li>● Develop and monitor the computing curriculum</li> </ul>	<p>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.</p> <p>All children will have:</p> <ul style="list-style-type: none"> <li>● 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;</li> <li>● Become proficient users of technology who are able to work both independently and collaboratively;</li> <li>● a wider variety of skills to use a range of platforms effectively;</li> <li>● An increased vocabulary which will enable them to articulate their understanding of taught concepts;</li> <li>● 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.</li> </ul> <p>In addition, we measure the impact of our curriculum through the following methods:</p> <ul style="list-style-type: none"> <li>● Monitoring and analysis of pupil progress;</li> <li>● Pupils completing a pupil voice via Google Form (Yr 2-6);</li> <li>● Pupil Voice interviews (EYFS/Yr 1)</li> <li>● Termly assessment using Insight, showing attainment and progress.</li> </ul>