

| Subject: Computing                         | KS3   | KS4   |
|--|---|---|
| <p><b>Aims of the Curriculum:</b></p>      | <p>We aim to prepare our learners for their future by giving them the opportunities to gain knowledge and develop skills that will equip them for an ever changing digital world.</p> <p>Knowledge and understanding of ICT is of increasing importance for students' future both at home and for employment.</p> <p>Through a range of computing topics students should be able to make an informed decision about the possible routes they can take in their studies if they wish to continue into Key Stage 4.</p>   | <p>Through the offer of core and vocational courses, KS4 students will further develop and demonstrate their knowledge of, and responsibilities when working with technology.</p> <p>The implementation of this curriculum ensures that when students leave the Corley Centre they are competent and safe users of ICT with an understanding of how technology works.</p> <p>They will have developed skills to express themselves and be creative in using digital media and be equipped to apply their skills in Computing to different challenges going forward.</p>   |
| <p><b>Skills and Attributes:</b></p>       | <ul style="list-style-type: none"> <li>• Programming</li> <li>• Computers: hardware and software - Understand the key features of digital devices</li> <li>• Software skills: word processing</li> <li>• Software skills: spreadsheets</li> <li>• Software skills: presentation</li> <li>• Software skills: file handling</li> <li>• Software skills: web authoring</li> <li>• Software skills: graphics and digital photo-editing</li> </ul>   | <ul style="list-style-type: none"> <li>• Use IT systems to meet needs.</li> <li>• Enter, edit and combine text and other information accurately within word processing documents.</li> <li>• Set up mobile devices to meet needs.</li> <li>• Use applications and files on the mobile device.</li> <li>• Understand the risks that can exist when using the Internet.</li> <li>• Know how to safeguard self and others when working online.</li> <li>• Take precautions to maintain data security.</li> <li>• Independence, creativity and awareness of the digital media sector.</li> <li>• Desirable, transferable skills such as research, planning, and review, working with others and communicating creative concepts effectively.</li> </ul> |
| <p><b>Meeting our Students' Needs:</b></p> | <p>Our Computing curriculum focuses on a progression of skills in digital literacy, computer science, information technology and online safety to ensure that students become competent in safely using, as well as understanding, technology.</p> <p>Versatile learning activities help to meet the needs of our students - many of which involve interactive lessons with use of digital equipment and software such as games, robotics, programming, online learning, and also including topical discussion to encourage student's expression of opinion and embed learning.</p> <p>Our intention is that Computing also supports children's creativity and cross curricular learning to engage children and enrich their experiences in school.</p> |   |