

# Lanyon High School



## Year 7&8 Digital Technology

| Identify curriculum             | Achievement standard  | <p>By the end of Year 8, students distinguish between different types of networks and defined purposes. They explain how text, image and audio data can be represented, secured and presented in digital systems.</p> <p>Students plan and manage digital projects to create interactive information. They define and decompose problems in terms of functional requirements and constraints. Students design user experiences and algorithms incorporating branching and iterations, and test, modify and implement digital solutions. They evaluate information systems and their solutions in terms of meeting needs, innovation and sustainability. They analyse and evaluate data from a range of sources to model and create solutions. They use appropriate protocols when communicating and collaborating online.</p> |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
|---------------------------------|---|---|----------------------|---|---|----------------------|---|----------------------|---|--------------------------|---------|---------------------------------|--|------|------------|---|-------------|---|------------------|---|--------------------------|---------|---------------------------------|
| Teaching and learning           | Term overview   | Year 7  |                      | Year 8  |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
|                                 | General capabilities & Cross curriculum priorities          |   |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
|                                 | Key to general capabilities and cross-curriculum priorities |   |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
| Develop assessment              | Assessment  | <table border="1"> <thead> <tr> <th>Week</th> <th>Assessment</th> </tr> </thead> <tbody> <tr> <td>4</td> <td>Problem Solving Task</td> </tr> <tr> <td>7</td> <td>Data/Networking Test</td> </tr> <tr> <td>9</td> <td>Programming Tasks Online</td> </tr> <tr> <td>Ongoing</td> <td>Knowledge and Skill Development</td> </tr> </tbody> </table>   | Week                 | Assessment  | 4 | Problem Solving Task | 7 | Data/Networking Test | 9 | Programming Tasks Online | Ongoing | Knowledge and Skill Development | <table border="1"> <thead> <tr> <th>Week</th> <th>Assessment</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Ethics Test</td> </tr> <tr> <td>6</td> <td>Database Project</td> </tr> <tr> <td>9</td> <td>Programming Tasks Online</td> </tr> <tr> <td>Ongoing</td> <td>Knowledge and Skill Development</td> </tr> </tbody> </table> | Week | Assessment | 2 | Ethics Test | 6 | Database Project | 9 | Programming Tasks Online | Ongoing | Knowledge and Skill Development |
|                                 |   | Week  | Assessment           |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
|                                 |   | 4   | Problem Solving Task |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
|                                 |   | 7   | Data/Networking Test |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
| 9                               | Programming Tasks Online                                    |   |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
| Ongoing                         | Knowledge and Skill Development                             |   |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
| Week                            | Assessment  |   |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
| 2                               | Ethics Test   |   |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
| 6                               | Database Project  |   |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
| 9                               | Programming Tasks Online                                    |   |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
| Ongoing                         | Knowledge and Skill Development                             |   |                      |   |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |
| Make judgments and use feedback | Moderation  | Teachers moderate assessment task to ensure consistency of Judgment   |                      | Teachers moderate assessment task to ensure consistency of Judgment |   |                      |   |                      |   |                          |         |                                 |  |      |            |   |             |   |                  |   |                          |         |                                 |