# SS Subject Curriculum & Assessment

## Subject: Information and Communication Technology

| Curriculum Aims |
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| ➢ To provide students with a body of essential knowledge, concepts and applications of information, communication and computer systems; <br> ➢ To equip students with problem-solving and communication skills, and encourage them to think critically and creatively; <br> ➢ To develop students into competent, effective, discriminating, ethical and confident users of ICT, so as to support their lifelong learning; <br> ➢ To provide students with opportunities to appreciate the impact of ICT on our knowledge-based society, so as to nurture in them positive values and attitudes towards this area. <br> ➢ To prepare students to experience modern ICT technologies and understand the theories behind <br> ➢ To prepare students for their DSE examinations |

### Curriculum Framework and Progression of Study

| | Compulsory Part | Elective Part Module B + Module C | |
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| **SS1** | Computational Thinking and Programming | | |
| **SS2** | Information Processing <br> + <br> Internet and its Applications | SBA | Algorithm and Programming <br> + <br> Web Application Development |
| **SS3** | Computer System Fundamentals <br><br> Social Implications | | |

### Assessment

| | Components | Weighting | Duration |
|---|---|---|---|
| Public Examination | Paper 1: Compulsory Part | 55% | 2 hours |
| | Paper 2: Elective Part <br> 2B Web Application Development <br> + <br> 2C Algorithm and Programming | 25% | 1.5 hours |
| School-Based Assessment | Topics on the Elective Part | 20% | |