## Computer Literacy Course Outline

**Level: F.1**

<table>
<thead>
<tr>
<th>Term Seq.</th>
<th>Topic / Main Theme</th>
<th>Mode</th>
<th>No. of Lessons</th>
</tr>
</thead>
</table>
| 1.1       | Use of Google Account  
- Gmail and Google Classroom  
- #Web search and safe web browsing | Video + Lesson | 4 |
| 1.2       | Chinese and English Typing Skill | Self-directed learning | 1 |
| 1.3       | Google Drive for Project Learning (I)  
- Cloud Storage  
- Google Docs  
- Google Slides | Lesson | 12 |
| 1.4       | Block Programming with Scratch I  
- Iteration, sub-procedure, events  
- Conditional expression  
- Variable and operations  
- Generation of random numbers  
- Mouse control  
- Basic flowcharting  
- Problem solving skills | Lesson + Hands-on Practice | 10 |
|           | Group Project (50%): Presentation of Google Slides with the topic of well-being promotion  
- Individual Project (50%): Scratch program  
- Self-directed Learning Task | Assessment | |
| 2.1       | *Sketchup (for STEM project)*  
- 2D Design for laser cutting  
- 3D Printing VS laser cutting  
- Design between 2D and 3D | Lesson | 9 |
| 2.2       | Block Programming with Scratch II  
- Array concept  
- Object cloning and user-defined function  
- Motion simulation  
- Trigonometry and projectiles  
- Scene effect and sound control  
- Enhanced Flowcharting | Lesson + Hands-on Practice | 12 |
| 2.3       | *Microbit*  
- Introduction of micro:bit  
- Programming for micro:bit  
- Variables  
- Functions  
- Conditional statement  
- System communication between micro:bit and Scratch | Lesson + Hands-on Practice | 9 |
|           | Group Project (50%): Scratch program  
- Individual Project (50%): 3D design for clock dial | Assessment | |
### Term 1 Modes of Assessment and weighting:

<table>
<thead>
<tr>
<th>Modes</th>
<th>Group Project</th>
<th>Individual Project</th>
<th>Self-directed Learning</th>
<th>Practical Examination</th>
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</thead>
<tbody>
<tr>
<td>Weights</td>
<td>50%</td>
<td>50%</td>
<td>0%</td>
<td>0%</td>
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</tbody>
</table>

### Term 2 Modes of Assessment and weighting:

<table>
<thead>
<tr>
<th>Modes</th>
<th>Group Project</th>
<th>Individual Project</th>
<th>Written Examination</th>
<th>Practical Examination</th>
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</thead>
<tbody>
<tr>
<td>Weights</td>
<td>0%</td>
<td>100%</td>
<td>0%</td>
<td>0%</td>
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</tbody>
</table>

**Remarks:**

* -- *topics with STEM elements*

# -- *topics with NSEd elements*