

**UTC Computer Science Department Learning Cycles 2019 – Year 13**

<b>Cycle 2.6</b>	<b>Cycle 2.7</b>	<b>Cycle 2.8</b>	<b>Cycle 2.9 Revision of Topics 7 - 9</b>	<b>Cycle 2.10 Revision of Topics 7 - 9</b>
<p align="center">Topics</p> <ul style="list-style-type: none"> <li>• Hardware including parellisation</li> <li>• Data security</li> <li>• Cryptography</li> <li>• Biometrics</li> <li>• Hacking</li> <li>• Disaster planning</li> </ul>	<p align="center">Topics</p> <ul style="list-style-type: none"> <li>• Programming paradigms</li> <li>• System design</li> <li>• Program construction</li> <li>• File organisation</li> <li>• Hashing algorithms</li> <li>• Legislation</li> </ul>	<p align="center">Topics</p> <ul style="list-style-type: none"> <li>• Data structures</li> <li>• Logical operations</li> <li>• Algorithms</li> <li>• Principals of programming</li> </ul>	<p align="center">Topics</p> <ul style="list-style-type: none"> <li>• System design and analysis</li> <li>• Software engineering and construction</li> <li>• Economic, social, moral legal and ethical</li> <li>• Hardware and communication</li> </ul>	<p align="center">Topics</p> <ul style="list-style-type: none"> <li>• Data transmission</li> <li>• Data representation</li> <li>• Testing</li> <li>• Evaluation</li> </ul>
<b>Keywords</b>	<b>Keywords</b>	<b>Keywords</b>	<b>Keywords</b>	<b>Keywords</b>
<b>Topic Assessments Used</b>	<b>Topic Assessments Used</b>	<b>Topic Assessments Used</b>	<b>Topic Assessments Used</b>	<b>Topic Assessments Used</b>