Year 10 – Computer Science

Target for Year 10 is [ ] (Single grade 1-9) At Penryn College we grade all tests 9-1 (9 is the best)

During this Computer Science course, you will be expected to learn:
- Basic programming techniques in Python.
- Programming efficiently and robustly.
- Hardware - Parts of a computer and their function.
- Computer Networks – different types of networks and their purpose.
- Core Algorithms for sorting and searching data.
- Methods of compressing and encrypting data.

		Working towards	Is at the expected standard	Is above expected standard	Test grade
UNIT 1	**Python Programming Basics**				
	Python – Efficient Coding.				
	Python – Robustness				
FFL:	Meeting Behaviour for learning standards.	Actively Engaged in the learning.	Regularly completing homework to a high standard.	Completing class work to a high standard.	Is a resilient learner, "Doesn't give up easily".
Achieved					

		Working towards	Is at the expected standard	Is above expected standard	Test grade
UNIT 2	**Binary Number System**				
	Data Representation				
	Data Compression				
FFL:	Meeting Behaviour for learning standards.	Actively Engaged in the learning.	Regularly completing homework to a high standard.	Completing class work to a high standard.	Is a resilient learner, "Doesn't give up easily".
Achieved					

		Working towards	Is at the expected standard	Is above expected standard	Test grade
UNIT 3	**Computer Hardware**				
	Computer Networks				
	Cybersecurity				
FFL:	Meeting Behaviour for learning standards.	Actively Engaged in the learning.	Regularly completing homework to a high standard.	Completing class work to a high standard.	Is a resilient learner, "Doesn't give up easily".
Achieved					