## **Maths Department**

## Stage 10

Mι	test target is	At Penryn College we grade our tests 9-1 (9 is the best)
1010	1631 tai get 13	At remit to conege we grade our tests 3-1 (3 is the best)

## In Year 10 and Year 11 students will focus on:

- Building on the Maths skills gained in year 9 in preparation for GCSE.
- Development of reasoning and communication of methods both in words and through evidence of steps of workings.
- Development of problem-solving skills through the application of mathematics.

ÂLGEBRA	Number and Algebra		Working Towards Target	At Expected Target	Above Expected Target		Test grade
ASSESSMENT	Knowledge and sk	ills					
POINT 1	Structure of worki	ngs					
	Communication ar	nd reasoning					
Overall unit performance							
FFL:	Meeting behaviour for learning standards	Actively engaged in the learning	Regularly complete HWK to a high standard	Completion to a high standard	n learn		sn't give up
Achieved:							

Upper Quartile	Algebra Space		Working	At	Abo	ve	Test grade
Median			Towards	Expected	Expected		
Lower Sample	Data		Target	Target	Targ	et	
ASSESSMENT	Knowledge and sk	tills					
POINT 2 Structure of workings							
	Communication and reasoning						
Overall unit per	formance						
FFL:	Meeting behaviour for	Actively engaged in the	Regularly complete HWK	Completi to a high	ng CWK	Is a r learn	esilient er
	learning standards	learning	to a high standard	standard			sn't give up
Achieved:							-

$\begin{array}{c} \text{The Quadratic Formula} \\ -b \pm \sqrt{b^2 - 4ac} \\ \hline 2a \\ \text{For Quadratic Equations} \\ ax^2 + bx + c = 0 \end{array}$	Transformations, Real-life Graphs, Recurring decimals, Quadratic formula and completing the square		Working Towards Target	At Expected Target	Abov Expec Targ	ted	Test grade
ASSESSMENT POINT 3	Knowledge and sk Structure of worki						
FOINT 3	Communication and reasoning						
Overall unit performance							
FFL:	Meeting behaviour for learning standards	Actively engaged in the learning	Regularly complete HWK to a high standard		h learn		sn't give up
Achieved:							

diameter or conductor	Probability, Circle Theorems, Equations, Inequalities		Working Towards Target	At Expected Target	Abo Expec Targ	ted	Test grade
ASSESSMENT	Knowledge and skills						
POINT 4	Structure of workings						
	Communication a	nd reasoning					
Overall unit perfo	ormance						
FFL:	Meeting behaviour for learning standards	Actively engaged in the learning	Regularly complete HWK to a high standard	Completion to a high standard	h learne		sn't give up
Achieved:							

## **Explanation of assessments**

Judgement	Criteria: Knowledge and skills
Working towards	Knows some facts. Can have a go at using key skills.
Expected	Knows key facts. Can use skills effectively.
Above expected	Knows facts and can apply them. Skills used in a variety of situations to solve problems.

Judgement	Criteria: Structure of workings
Working towards	Work is poorly organised with steps missing.
Expected	Work shows clear steps of thinking.
Above expected	Workings are detailed and enhanced by annotations where appropriate.

Judgement	Criteria: Communication and reasoning
Working towards	Occasionally participates in paired or small group discussions. Is beginning to talk about methods and understanding using correct Mathematical vocabulary.
Expected	Participates in paired or small group discussions. Is able to talk about methods and show understanding using correct Mathematical vocabulary.
Above expected	Confidently participates in paired or small group discussions. Is able to confidently talk about methods and shows a good understanding using correct Mathematical vocabulary.