

## Penryn College Mathematics Department

### Department members

Sara Jaques	Head of Department
Rob Penhaligon	Second in Department
Alex Childs	STEAM head of faculty- Mathematics/ Science teacher
Tamsin Wright	Mathematics teacher
Kelly Green	Mathematics teacher
Sinead Jackson	Mathematics teacher
Lee Barker	Mathematics teacher
Ariel Roukaerts	Mathematics teacher
Sarah Smallwood	Mathematics teacher
Tamsin Schouten	Deputy Head and Mathematics teacher
James Lushington	Assistant Head and Mathematics teacher
Tyler Cooke	TA/ Numeracy Intervention Co-ordinator

### Accommodation

We have a fantastic school building which opened in September 2008 with first class classrooms and sporting facilities which are used by our students and the local community.

### Organisation of teaching groups

Students are set by ability in each year group. This is done using thorough tracking systems starting with the transition information from our feeder primary schools when the students join us in year 7.

Year 7, year 8 and year 9 are currently divided into 2 populations. Our year 10 and 11 classes are taught vertically which allows a lot more flexibility in movement between classes throughout the year to ensure the right route for individuals at GCSE.

We are constantly monitoring, checking and reviewing the progress of our students and respond to individual needs ensuring that they are in the group best suited to them achieving their potential.

### Curriculum and Resources

The department is dedicated to improving teaching and learning and ensuring that students are equipped with the maths skills for their futures. We have high expectations of our students and promote an ethos of a partnership between them and us to enable them to succeed.

Our Schemes of work reflect opportunities for students to develop their thinking skills in a variety of ways. Discussion between students is important as is time to reflect on their own learning. We feel that it is important for students to experience a variety of teaching styles, activities and to see the application of the subject in their Maths lessons.

One of our departments' strengths is the sharing of good practice. We share our resources electronically on the school shared area and are using the IPADs and VLE to further share the resources with students and parents at home.

All students have been equipped with an IPAD and we are continuing to develop our expertise with these in order to enhance learning in Maths lessons. We use a variety of online resources in class, for homework and improvement work that complement the IPADs and we feel that they are integral to students independently addressing their personal areas for development.

All students are following a 5 year SOW in preparation for the OCR GCSE 9-1 GCSE examination in year 11.

Our able Mathematicians can also choose to study for the Further Maths Qualification in year 11.

Some of our lower prior attainers are entered for the OCR Entry Level Certificate to support their studies for the GCSE examination.

### GCSE Examination Results

We are a successful department who continue to constantly evaluate, adapt and strive to move even further forward year on year.

	No. entries	% A*, A			% A* - C			% A* - G			Maths P8 ALL
		all	M	F	all	M	F	all	M	F	
2010	193	17.8	17.3	18.4	<u>78.5</u>	80.8	75.9	100	100	100	
2011	196	15.8	12.9	18.4	<u>61.1</u>	55.9	64.9	96.8	95.7	97.9	
2012	196	20.9	23.1	17.7	<u>79.1</u>	78.6	79.7	100	100	100	
2013	213	17	17.2	16.7	<u>77.8</u>	76.7	79.2	100	100	100	
2014	203	14.8	13.6	16	75.9	71.8	80.9	100	100	100	
2015	201	14.4	14.4	14.4	74.6	71.2	78.4	97	97.1	96.9	
2016	207	21.7	21.4	22.1	73.9	75.0	72.6	96.1	95.5	96.8	
2017*	210	17.1	19.2	15.3	76.7	77.8	75.7	97.1	98.0	96.4	0.202
2018*	209	19.6	16.7	22.1	76.6	72.9	79.6	98.1	97.6	98.2	0.135
2019*	209	19.6	21.6	17.2	81.3	77.6	86.0	99.5	99.1	100	0.35

\*2017-2019 Results based on new GCSE 9-1 grades instead of A\*-G (A\*-C is now 9-4)