



TASK 1 : Mymaths Each pupil that has signed up to do Maths A Level next year has been assigned a Mymaths login to be able to best prepare themselves for starting the course. Bridging the Gap tasks have been set for Pure, Statistics and Mechanics.

The School Login is: **oaklandscs**

The School Password is: **ratio**

Once you have logged in to the school account below are the personalised account details.

**** PLEASE CHANGE YOUR OWN PASSWORD IMMEDIATELY ****

Student name	Login	Password
Ben Bellenger	1124	ity
Ryan Bendell	1145	lcp
Larissa Berry	1146	pkl
Alexander Bray	1125	szs
Andrea Breathnach	1147	dme
William Castle	1126	yqa
Hok Ye Cheng	1127	rsj
Cieran Churcher	1128	kys
Rhys Colley	1122	csi
Aaron Delos Reyes	1129	idu
Harvey Doran	1130	dzh
James Duffy	1131	xvn
Jasmine Flores	1148	hql
Kwesi Fraikue	1132	pzx

Ciaran Harding	1149	ufh
Thea Johnson	1150	hbv
Aleena Jossy	1151	crp
Sam Kershaw	1152	qrt
Ara Ko	1153	hwb
Paulin Kryemadhi	1133	upz
Ethan Lehane	1134	yvc
Emily Lipman	1154	aks
Robert Livanov	1155	lyg
Elizabeth Loveres	1156	lhn
Mackenzie Maplesden	1157	vka
Hannah Marshall	1135	twa
Visvesa Modi	1158	sjs

Oliver Morgan	1159	xgn
Danny Newell	1160	akm
John Ray Noblefranca	1161	szh
Luke O'Hare	1136	xwb
Meghan O'Neill	1162	kly
Clara Paffett-Wood	1137	klo
Benjamin Pope	1138	sxp
Christopher Rose	1163	lxe
Theo Sheehan	1139	cxu
Ebin Shibu	1140	eki
Marteena Soyan	1164	oxo
Alan Thomas	1141	fhm
Ben Tuttle	1142	dfq
Joshua Tyler	1143	fbs

Ellis Wheeler	1165	qls
Ryan Wilson	1166	lxz
Olivia Wimsett	1167	fru
Rhys Woolhead	1144	gdt

TASK 2: Investigation

The second task is to broaden your knowledge and support further understanding. Please choose **ONE TOPIC** below and create a 4/5 page PowerPoint on it. I have included some key points that I would like you to cover for that topic.

Topics to choose from:

- **Differentiation** – What is it? How do you do it for the simple cases ($y=3x^4$) giving some examples and give a couple of uses in real life.
- **Pascal's Triangle** – What is it? 2 pages on how does it link to the binomial expansion. Use 2 pages on notation (how do you find the 4th value of row 6?)
- **Integration** – What is it? How do you calculate for simple cases ($y=3x^4$) giving some examples and give a couple of uses in real life.

Please use google to research the chosen topic, but for understanding, you may want to use MyMaths.