



Year 9 Maths Higher – Summer Term 1 – KNOWLEDGE ORGANISER

Year group:	Unit:		Date (from and to):	
Week beginning:	Focus topic: Unit 5	Learning intentions	Resources	
			Offline: Reference to workbook pages for home learning.	Online including links on how to access these:
12/04/21	5 Angles and Trigonometry	Week 1 – Pythagoras Theorem Calculate hypotenuse in a right angled triangle Calculate shorter side in a right angled triangle Solve problems using Pythagoras Theorem	P145	www.teams.microsoft.com Live lessons, Lesson video recordings, and linked resources on MS Teams (<i>login from outlook email or download the app. Login with your normal login for school and email</i>). If you can't always access live lessons, you can check in when possible to keep up to date.
19/04/21		Week 2 – Trigonometry Use trigonometric ratios to find lengths and angles in right angled triangles Find angles of elevation and depression Know the exact values of sine, cosine and tangent of some angles	P146-148 <u>Exam questions</u> P149-150	
26/04/21	6 Graphs	Week 3 – Linear graphs Find gradient and y intercept from equation and sketch graphs using gradient and y intercept Rearrange an equation into the form $y=mx + c$	P64-69	www.vle.mathswatch.co.uk Interactive self-marking homework including videos that can be found under each question to help. The homework backs up the learning in class learning. The completion of the Mathswatch tasks is compulsory, as this way the progress of each student can be seen. Even if you can't join live lessons, but you can access the internet at another time you should try the Mathswatch tasks to keep in touch with what the rest of the class are doing. <i>Email umahmood@w-h-s.org.uk if you need your login details</i>
03/05/21		Week 4 – More linear graphs Plot graphs with equations $ax + by = c$ Find the equation of a line given its gradient and one point on the line and find the gradient of a line through two points.	<u>Exam questions</u> P70-71	
10/05/21		Week 5 – Distance and time graphs. Velocity –time graphs. Real life graphs.	P82-84 <u>Exam questions</u> P86-88	
17/05/21		Week 6 - Line segments, Quadratic graphs, Cubic and reciprocal graphs	P72-74 <u>Exam questions</u> P79-81	
24/05/21		Week 7 – Recap of all above.	P76	