

GCSE Mathematics



Exam Board	GCSE OCR Mathematics J560								
Overview	<p>Mathematics contributes to the school curriculum by developing pupils' abilities to calculate; to reason logically, algebraically, and geometrically; to solve problems and to handle data. Mathematics is important for pupils in many other areas of study, particularly Science and Technology. It is also important in everyday living, in many forms of employment, and in public decision-making. As a subject in its own right, Mathematics presents frequent opportunities for creativity, and can stimulate moments of pleasure and wonder when a problem is solved for the first time, or a more elegant solution to a problem is discovered.</p>								
Course Structure	<p>AO1 Use and apply standard techniques AO2 Reason, interpret and communicate mathematically AO3 Solve problems within mathematics and in other contexts</p>								
Assessment	<p>The course is assessed by examination only. There are two levels of entry Foundation and Higher.</p> <table border="0"> <tr> <td>Foundation tier, grades 5 to 1</td> <td>Higher tier, grades 9 to 4</td> </tr> <tr> <td>Paper 1 (Foundation tier) J560/01</td> <td>Paper 4 (Higher tier) J560/04</td> </tr> <tr> <td>Paper 2 (Foundation tier) J560/02</td> <td>Paper 5 (Higher tier) J560/05</td> </tr> <tr> <td>Paper 3 (Foundation tier) J560/03</td> <td>Paper 6 (Higher tier) J560/04</td> </tr> </table> <p>Both Foundation and Higher tier assessments consist of the following elements;</p> <ul style="list-style-type: none"> ◆ Three written papers worth 100 marks each ◆ 1 hour and 30 minutes each ◆ Each are worth 33 ⅓ % of the total GCSE 	Foundation tier, grades 5 to 1	Higher tier, grades 9 to 4	Paper 1 (Foundation tier) J560/01	Paper 4 (Higher tier) J560/04	Paper 2 (Foundation tier) J560/02	Paper 5 (Higher tier) J560/05	Paper 3 (Foundation tier) J560/03	Paper 6 (Higher tier) J560/04
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Career Opportunities	<p>Animator, Special Effects Director, Computer Scientist, Computer Games Designer, Forensic Scientist, Astronaut, Cryptanalyst, Statistician, Architect, Doctor, Fashion Designer, Astronomer, Science Journalist, Meteorologist, Environmental Consultant, Stockbroker, Interior Designer, Car Designer, Political Scientist, Petroleum Engineer, Aeronautical Engineer.</p>								
Further information From:	<p>ciddon@aldercarhigh.co.uk or lfletcher@aldercarhigh.co.uk Useful resources: GCSE Pod https://corbettmaths.com/ https://mathsgenie.com/ Particularly YouTube videos</p>								

