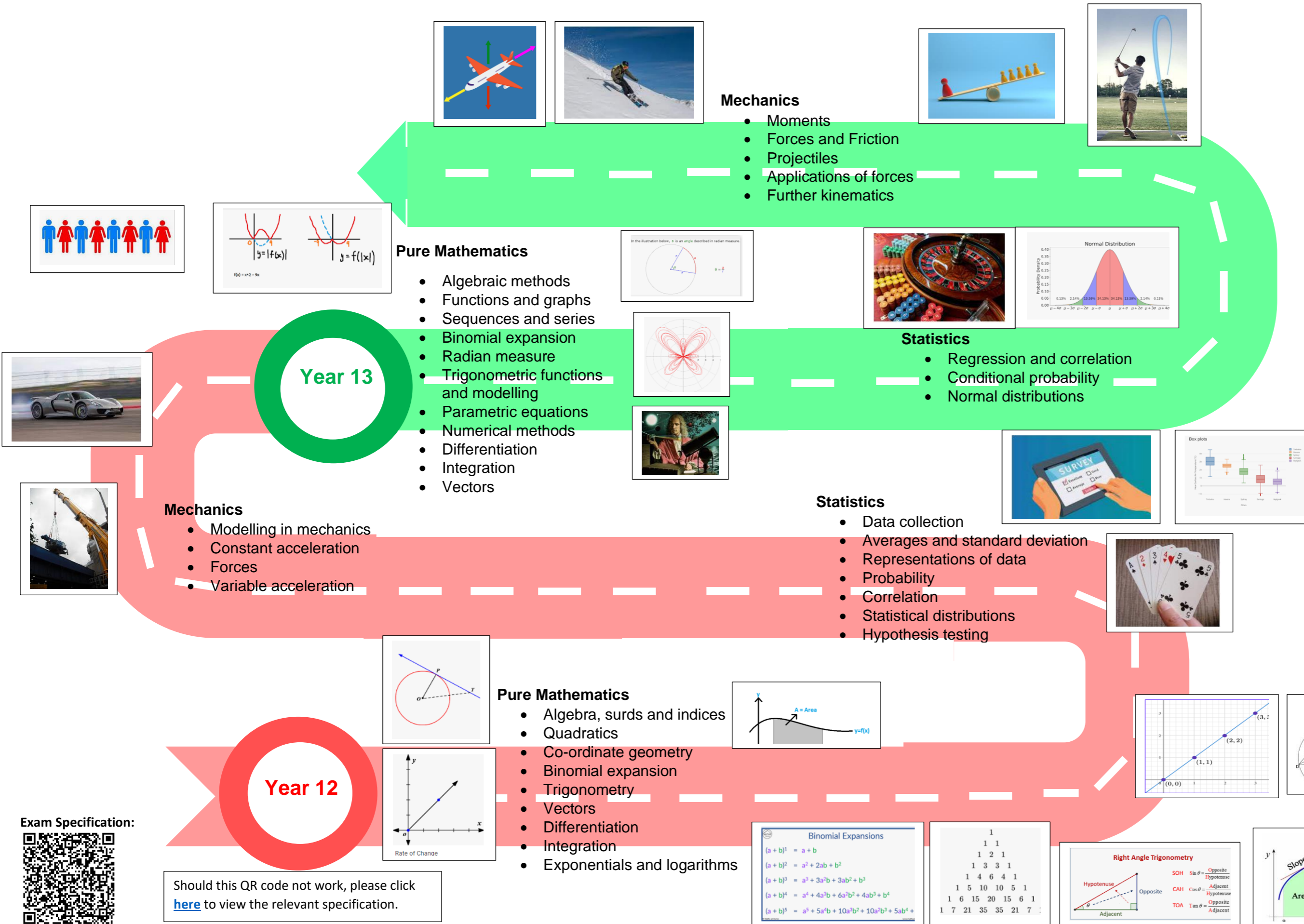




Gordon's School Mathematics Department



A-Level - Curriculum Map



Key Words / Skills:

Command words

Show that - Show a result is true. Because you are given the result, your explanation has to be sufficiently detailed to cover every step of your working.

Hence - An indication that the next step should be based on what has gone before.

Prove - Provide a formal mathematical argument to demonstrate validity.

Exact - An exact answer is one where numbers are not given in rounded form.

Verify - Substitute given values to demonstrate the truth of a statement.

Sketch - Draw a diagram, not necessarily to scale, showing the main features of a curve.

Determine - Justification should be given for any results found, including working where appropriate.

Find, Solve, Calculate - While working may be necessary to answer the question, no justification needs to be given for any results found.



Should this QR code not work, please click [here](#) to view the relevant specification.

Binomial Expansions

$$(a + b)^1 = a + b$$

$$(a + b)^2 = a^2 + 2ab + b^2$$

$$(a + b)^3 = a^3 + 3a^2b + 3ab^2 + b^3$$

$$(a + b)^4 = a^4 + 4a^3b + 6a^2b^2 + 4ab^3 + b^4$$

$$(a + b)^5 = a^5 + 5a^4b + 10a^3b^2 + 10a^2b^3 + 5ab^4 + b^5$$

	1	
	1 2 1	
	1 3 3 1	
	1 4 6 4 1	
	1 5 10 10 5 1	
	1 6 15 20 15 6 1	
	1 7 21 35 35 21 7 1	

