



# Holly Lodge High School A Level Mathematics 2021

## General overview of the course

A **level Mathematics** is often thought of as a subject of complicated calculations. ... A **level Mathematics** gives you the opportunity to study topics such as geometry, calculus and trigonometry (pure **mathematics**) and to use these ideas within the 'applied' topics such as mechanics and statistics.

By studying **Maths** at A-Level, **you'll** develop a number of skills, such as: Problem-solving. Analytical Skills. Research Skills. These skills are highly transferrable, and will be useful in your continuing study.

## Cultural Capital

You will learn to solve problems. The applications of this are not just cross-curricular, but reach every aspect of life outside of and beyond school. You will also see how the great mathematical discoveries of the last 2000 years have been applied in every aspect of modern life, from medicine, to engineering, to the internet.

## Course Outcomes

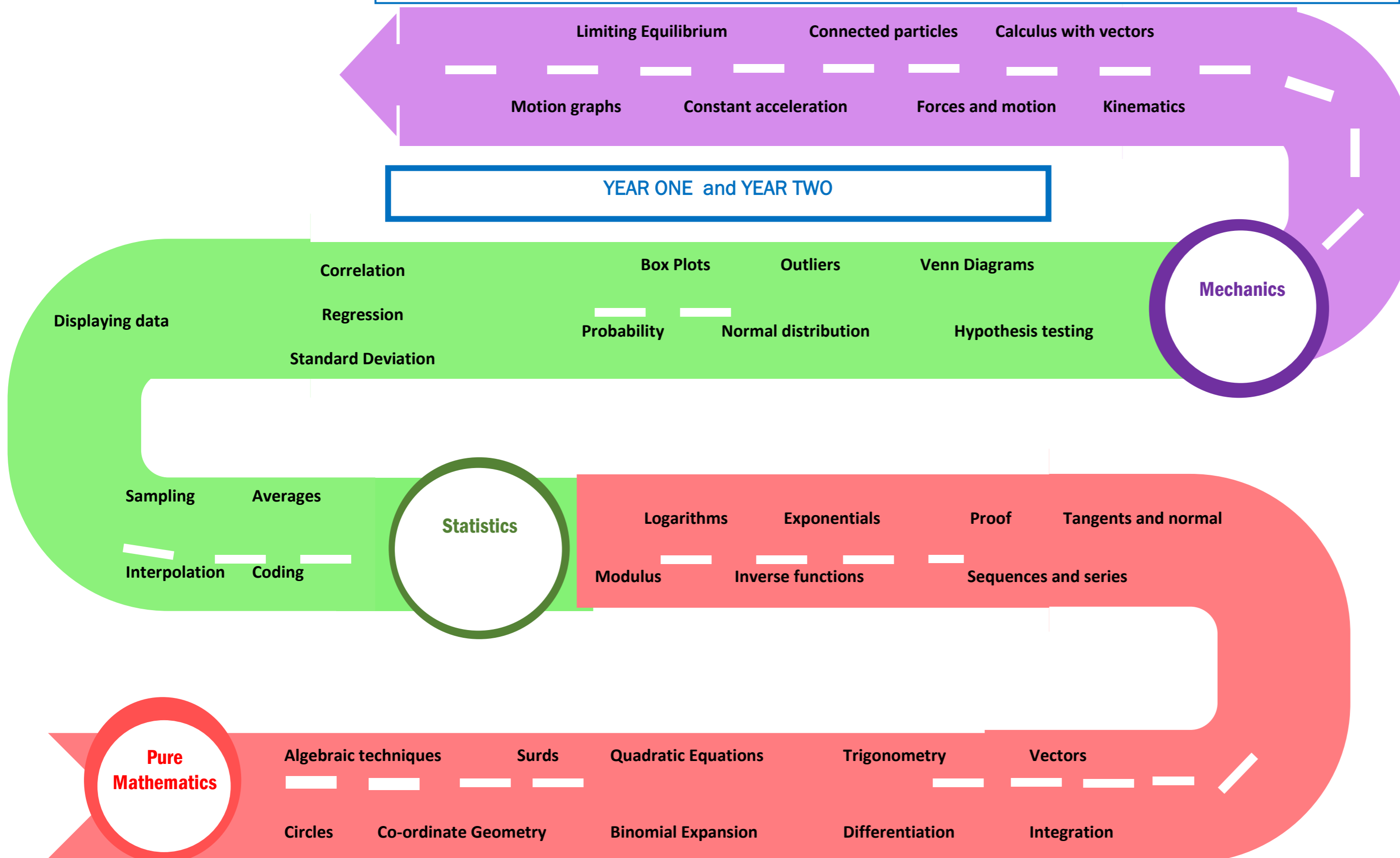
Successfully completing A Level mathematics is one of the most valuable things you can do during 6<sup>th</sup> form. The pathways are varied and rewarding.

## Size and Structure

- 5 contact hours per week.
- Minimum 5 hours per week independent study.
- 2/3 Pure maths content
- 1/3 Applied maths content

## Key assessments:

- Three 2 hour assessments at the end of year 13



**Pure Mathematics**