Curriculum Intent, Implementation and Impact 2019-20

Subject (include exam board if examination subject): AQA Core Maths Level 3

Year group: 13

Periods per fortnight: 6

INTENT:

The intent of the Level 3 Certificate in Core Mathematical studies qualification is to consolidate students' mathematical understanding, build their confidence and competence in applying mathematical techniques to solve a range of problems and to introduce them to new techniques and concepts that will prepare them for further study and future employment within a broad range of academic, professional and technical fields. The aims of the course are to explore the world using different statistical techniques/ models that prepares the student for future employment relating to business/ finance. By the end of the course our students will be armed with the skills/ knowledge to confidently look at the world with different lens that allows for them to understand different points from different angles. This allows them to respect other people's opinions, and empathises with others and not just take one side of the argument. Depending on the different view/ ability of the learner, they will be asked to look at different real life situations that will be appropriate and suitable to support and challenge the different student. Overall the course pushes the student to be ambitious, and resilient as their mathematical knowledge will be consolidated alongside how they would view the world with integrity and respect.

IMPLEMENTATION:

Term	**Topics studied** Add dates and any assessments included	**Extended learning opportunities** (homework, controlled assessments, field work, trips etc.)	**How parents could support students**
Autumn Term	Review of the following topics: Analysis of Data Maths for personal finance Estimation Review of the following topics: Critical analysis of given data and models The normal distribution Probabilities and estimation Correlation and regression	Expectations is to have at least 1 major homework piece for each chapter as a formative assessment Summative assessments include 3 chapters worth of materials	Ensure that their child has the textbook Ask their child to explain the different techniques learned in class in analysis of real-life data Discussion of maths in real life context (News)
Spring Term	Review of the following topics: Critical analysis of given data and models The normal distribution Probabilities and estimation Correlation and regression	Expectations is to have at least 1 major homework piece for each chapter as a formative assessment Summative assessments include 2 chapters worth of materials	Ensure that their child has access to Microsoft excel spreadsheet to understand formulas/ tabular data on entry Ask their child to explain the different techniques learned in class in analysis of real-life data Discussion of maths in real life context (News)

Summer Term	Review of course content through practice papers in preparation for Level 3 Examinations

IMPACT:

The impact of the course is measured through our ongoing formative in lessons, and our summative assessments. Formative assessments will allow students to practice skills before the termly summative assessments at the end of each unit of study whilst also allowing teachers to address any misconceptions and areas of weakness. These are opportunities that allows for the student to demonstrate their mathematical knowledge and understanding along the seven key virtues of the Buckingham school. Our goal at the end is to ensure our students will be able to confidently think, process that allows them to make sound judgements that is backed by mathematical evidence and knowledge.