



Human Dignity - MATHS

We are all unique and should treat everyone with love and respect because we are made in the image of God.

Year 7

Unit 2: Number skills

Building independence and financial respect for others

Unit 6: Probability

Understanding fairness and random chance

Unit 7: Ratio and proportion

Ensuring Fairness

Year 8

Unit 1: Number skills

Building independent problem solving and allowing all to develop numeracy skills.

Unit 4: Expressions and equations

Understanding logical systems reflects the order and purpose within creation

Unit 6 Decimals and ratio

Fair financial literacy supports dignity and independence

Unit 9: Straight line graphs

Using visual patterns to explain real-world ideas reflects human creativity.

Year 9

Unit 3: Dealing with data

Ensures every person's experience is represented truthfully in data

KS4 Higher

Unit 1- Number

Building independent problem solving and allowing all to develop numeracy skills.

Unit 14: Further statistics

Every person's story and experience deserves fair and accurate representation in data

Unit 16: Circle Theorems

Recognising order and beauty in geometry mirrors the dignity and design within creation

KS4 Foundation

Unit 1: Number

Building independent problem solving and allowing all to develop numeracy skills.

Unit 3: Graphs, tables and charts

Every person's story and experience deserves fair and accurate representation in data

Unit 11: Ratio and proportion

Ensuring fairness

Unit 13: Probability

Understanding fairness and random chance

Unit 20: More algebra

Understanding logical systems reflects the order and purpose within creation



Common Good

Doing what is good for everybody, not just ourselves. We need to think of everyone, and work towards what's best for everyone.

Year 7

Unit 4: Decimals and measures - Community and spatial planning to ensure all have housing/shelter

Unit 1: Analysing data

Data informing fair community decisions

Unit 5: Fractions/percentages

Manage resources and share resources fairly

Unit 7: Ratio - Sharing resources fairly

Unit 8: Angles

Angles required for building work, benefitting all

Year 8

Unit 2: Area and Volume

Designing fair and efficient use of spaces in the community.

Unit 7: Lines and Angles

Safe and functional design benefits all members of the community

Year 9

Unit 1: Indices/standard form

Enables accurate communication of scientific data for the benefit of all

Unit 5: Constructions

Sound constructions promote safe, inclusive environments for all

Unit 7: Circles, Pythagoras - Applying geometry in real life

Unit 9: Probability - Promotes fairness by highlighting risk

KS4 Higher

Unit 5- Angles and Geometry - Safe and functional design benefits all

Unit 7: Area and volume

Designing fair and efficient use of shared spaces

Unit 8: Constructions

Sound constructions promote safe, inclusive environments for all

Unit 10: Probability

Promotes fairness by highlighting risk

Unit 19: Proportion

Supports fair outcomes

KS4 Foundation

Unit 6: Angles

Unit 8: Perimeter area

Unit 12: Right-angles triangles

Unit 15: Constructions

Unit 17: Perimeter/area/volume

Designing fair and efficient use of shared spaces benefits the whole community

Unit 11: Ratio and proportion

Ensuring fairness

Unit 18: Fractions/Indices

Enables accurate communication of scientific data for the benefit of all



Solidarity-maths

We are all part of one family, by promoting peace and justice, we can bring the community together and live in unity.

Year 7

• **Unit 1:** Analysing /displaying data
Data informing fair community decisions

• **Unit 4:** Decimals and measure
Community and spatial planning to ensure all have housing /shelter

Year 8

• **Unit 3:** Statistics, Graphs and Charts
Interpreting data to address inequality supports collective compassion.

• **Unit 8:** Calculating with Fractions
Understanding proportional relationships helps highlight fairness and justice

Year 9

• **Unit 4:** Multiplicative reasoning
Encourages cooperation and fairness in group contexts and problem solving

• **Unit 8** Graphs:
Sharing insights from data builds empathy and collective action

KS4 Higher

• **Unit 3:** Interpreting and representing data

Sharing insights from data builds empathy and collective action

• **Unit 11:** Multiplicative reasoning
Encourages cooperation and fairness in group contexts and problem solving

• **Unit 18:** Vectors and Geometric Proof
Working together to reason and justify strengthens mutual respect and shared purpose.

KS4 Foundation

• **Unit 7:** Averages and Range
Data informing fair community decisions.

• **Unit 14:** Multiplicative Reasoning
Encourages cooperation and fairness in group contexts and problem solving

• **Unit 19:** Congruence, similarity and vectors
Working together to reason and justify strengthens mutual respect and shared purpose.

Ensuring fairness

Subsidiarity

Decisions are made at the most appropriate level so that all those affected can contribute and have a voice.



Year 7: Transition from guided learning to independent decision-making.

Unit 2: Place value and integers, Be independent-Choose efficient calculation methods

Unit 3: Introduction to algebra
Encouraging independent and logical thought.

Unit 5: Fractions, decimals, percentages Manage budgets and share resources fairly.

Unit 9: Sequences and Graphs
Recognising patterns and trends within the local/global community.

Year 8: Decisions are best made close to those affected by them.

Unit 1: Number: Building independence - Which method works best?

Unit 5: Real life graphs-Enables local responsibility in interpreting trends (e.g. budgeting and climate change).

Unit 10: Percentages, Decimals and Fractions - Encourages practical financial awareness and self-reliance.

Year 9: Everyone's voice matters at the right level.

Unit 2: Expressions and Formulae
Encourages logical, structured thinking and autonomy in problem-solving.

Unit 6: Sequences
Understanding patterns helps individuals make informed decisions.

Unit 10: Comparing shapes Builds confidence and judgement and independent verification.

KS4 Foundation (KS4 Higher)

Those closest to a problem should shape its solution.

Unit 1 (1) : Number
Building independent problem solving and allowing all to develop numeracy skills.

Unit 2 (2) : Algebra
Encourages logical, structured thinking and autonomy in problem-solving.

Unit 4 (4) : Fractions, ratios, percentages
Encourages practical financial awareness and self-reliance.

Unit 5 (9) : Sequences
Understanding patterns helps individuals make informed decisions.

Unit 9 (6) : Graphs
Enables local responsibility in interpreting trends (eg budgeting and climate change).

Unit 16: Quadratic Equations / Graphs
Enables local responsibility in interpreting trends (eg budgeting and climate change).

KS4 Higher only

Unit 13: More trigonometry
Enables individuals to apply mathematical reasoning to practical and local challenges (e.g. construction and navigation).

Unit 15 : Equations and graphs
Encourages logical reasoning and independent application of abstract models to real life.

Unit 17: More algebra
Promotes structured thinking and independence in reasoning.