

Curriculum Connections - Maths

Mathematics is essential to everyday life and provides foundation for understanding the world. Mathematics is not only a highly inter-connected discipline but also critical to other curricula such as Science, Technology and Engineering.

Subject:	Connections
Science	Maths and Science are inherently linked with many strategies learned in mathematics applying to science. Data presentation and calculation in the form of tables, graphs, trends, averages and percentages are all knowledge and skills which are applied in science. Using and manipulating equations and formulae as well as the application of negative numbers are also relevant in both domains. Mathematics also use scientific framing of questions to allow for mutual benefit.
Humanities	Data presentation and calculation in the form of tables, graphs, trends, averages and percentages are all knowledge and skills which are also taught in geography using the same pedagogical techniques.
Technology	Use of measures and units, especially in relation to weighing and measuring, are skills applied in maths and technology. Data presentation and calculation in the form of tables, graphs, trends, averages and percentages are all knowledge and skills relevant to both domains. Use of calculations for perimeter, area and volume as well as plans and elevations are also taught in both curriculum areas.
Physical Education	Data presentation and calculation in the form of tables, graphs, trends and averages are knowledge and skills relevant to both maths & Pe. Use of measures for distance and time are also common skills required in both domains.
Computing	Maths and Computing are linked with many strategies relating to logical thinking applicable to both subjects. Data presentation and calculation in the form of tables, graphs, trends, averages and percentages are all knowledge and skills which are applied in computing. Using and manipulating equations and formulae as well as the application of negative numbers are also taught in maths & applied in computing using relevant software.

Arts

Maths and Music are linked through ratio and pattern with relation to rhythm.
Maths skills applicable to Art include measurement pattern and shape.