

# Universal Reasoning – Mathematics

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*Do you like problem solving?*

*Are you interested in numbers and algebra?*

Students cover numbers and algebra, measurement and geometry, and statistics and probability. Specific topics covered include index laws, profit and loss, rates, ratios and percentages, converting units of measurement, algebra, volume of prisms, line graphs and collecting data.

Students begin to develop skills to solve unfamiliar problems and explain the reasoning behind their responses through both verbal and written reports.

Students explore the four proficiencies of fluency, understanding, problem solving and reasoning.

## **Assessment**

Tests

Projects

Investigations

## **Subject Length**

Full year

## **Additional Information**

It is recommended that all students have an approved scientific calculator (Casio). Some calculators are made available by classroom teachers.