

The elements of the

UNIFYING STRAND

The Unifying Strand permeates the Contextual Strands in Junior Cycle Mathematics. It has six elements.

Building Blocks

Students should understand and recall the concepts that underpin each strand, and be able to carry out the resulting procedures accurately, effectively and appropriately
U1, U2, U3.

Connections

Students should be able to make connections within strands and between strands, as well as connections between mathematics and the real world.
U5, U6.

Representation

Students should be able to represent a mathematical situation in a variety of different ways and translate flexibly between them
U4.

Communication

Students should be able to communicate mathematics effectively in verbal and written form.
U13.

Generalisation and Proof

Students should be able to move from specific instances to general mathematical statements, and to present and evaluate mathematical arguments and proofs.
U11, U12.

Problem Solving

Students should be able to investigate patterns, formulate conjectures, and engage in tasks in which the solution is not immediately obvious, in familiar and unfamiliar contexts.
U7, U8, U9, U10.

The learning outcomes associated with the Unifying Strand U1—U13 can be found in the Junior Cycle Mathematics Specification, page 14, which is available on https://www.jct.ie/maths/key_documents