Introductory text for JCSP Statements Supporting The Junior Cycle Mathematics

The statements below were developed with input from a number of practicing Mathematics teachers in JCSP schools. They are offered as **one possible model** that teachers may use to approach the teaching, learning and assessment of the learning outcomes in the Curriculum Specification for Junior Cycle Mathematics. They will be adjusted over time based on feedback from teachers in JCSP schools.

The Mathematics specification may be accessed in full at www.curriculumonline.ie

In addition, professional supports for teaching Junior Cycle Mathematics may be accessed through the Mathematics section of the Junior Cycle for Teachers (JCT) website, at www.jct.ie/maths/maths

It is important to note that the statements below offer a sample approach for the creation of Junior Cycle Mathematics statements. They do not cover all of the learning outcomes which are expected to be taught in the new Junior Cycle course. It is envisaged that students would be given opportunities to experience rich learning through engaging with all of the learning outcomes in all of their classes.

Teachers are encouraged to engage with these statements as a possible approach to creating Mathematics statements for their own students. Students' teachers are best placed to develop statements which will support their own students in their own particular class and school context.

June, 2021

Area of Experience: Mathematics

Maths

At Junior Cycle level I can:

MJC1 - Representation

MJC2 - Communication

MJC3 - Problem-Solving

Work begun | Work in progress | Work completed

Representation

Mathematics

Statement Code No. MJC1

Student: Name Surname

Class: Class

I can:

I have begun ☐☐☐ | I am working on this ☐☐☐ | I can ☐☐☐

This has been demonstrated by my ability to:

1.	Use Number to represent a mathematical situation	☐☐☐
2.	Use algebra to represent a mathematical situation	☐☐☐
3.	Use words to represent a mathematical situation	☐☐☐
4.	Draw and interpret different graphs	☐☐☐
5.	Use digital technologies to represent a mathematical situation	☐☐☐
6.	Apply the skill of estimation to a variety of real-life situations	☐☐☐
7.	Give a reason for my choice of mathematical representation	☐☐☐
8.	Identify patterns, trends and relationships	☐☐☐

Reflecting on my learning ...

One thing I did well ... Text here

Text here

Text here

One thing I might improve ... Text here

Text here

Text here

I really enjoyed... Text here because... Text here

Text here

Text here

Communication

Mathematics

Statement Code No. MJC2

Student: Name Surname

Class: Class

I can:

I have begun ☐☐☐ | I am working on this ☐☐☐ | I can ☐☐☐

This has been demonstrated by my ability to:

1.	Communicate clearly using the language of mathematics; Number, words, units, tables, graphs, symbolically and pictorially	☐☐☐
2.	Express my ideas clearly	☐☐☐
3.	Explain my findings and/or workings	☐☐☐
4.	Analyse my results	☐☐☐
5.	Explain and justify my conclusions	☐☐☐
6.	Use the notation of Mathematics	☐☐☐
7.	Pose a question that leads to a mathematical discussion	☐☐☐
8.	Use digital technologies to research and communicate Mathematics	☐☐☐
9.	Rethink my ideas based on the feedback from others	☐☐☐
10.	Suggest improvements for my own ideas and the ideas of others	☐☐☐

Reflecting on my learning ...

One thing I did well ... Text here

Text here

Text here

One thing I might improve ... Text here

Text here

Text here

I really enjoyed... Text here because... Text here

Text here

Text here

Problem-Solving

Mathematics

Statement Code No. MJC3

Student: Name Surname

Class: Class

I can:

I have begun ▢▢▢ | I am working on this ▢▢▢ | I can ▢▢▢

This has been demonstrated by my ability to:

1.	Rewrite a problem in my own words	▢▢▢
2.	Identify the key pieces of information within a problem	▢▢▢
3.	Apply the Mathematics I know to solve problems	▢▢▢
4.	Explain my answer and relate it back to the original question	▢▢▢
5.	Solve a problem and verify my answer	▢▢▢
6.	Solve a problem in more than one way	▢▢▢
7.	Make links between the different areas of Mathematics to solve problems	▢▢▢
8.	Change my approach as I work through a problem, if necessary	▢▢▢

Reflecting on my learning ...

One thing I did well ... Text here

Text here

Text here

One thing I might improve ... Text here

Text here

Text here

I really enjoyed... Text here because... Text here

Text here

Text here