

Introductory text for JCSP Statements Supporting The Junior Cycle Engineering

The statements below were developed with input from a number of practicing Engineering teachers in JCSP schools. They are offered **as one possible model** that teachers may use to approach the new Junior Cycle Engineering Specification. They will be adjusted over time based on feedback from teachers in JCSP schools.

The new Engineering Specification may be accessed in full at www.curriculumonline.ie.

In addition, support for teaching of the Junior Cycle Specification may be accessed through the Junior Cycle for Teachers (JCT) Technologies team at www.jct.ie.

It is important to note that the statements below offer a sample approach for the creation of Junior Cycle Engineering statements. They do not cover all of the learning outcomes which are expected to be taught in the new junior cycle course.

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I can understand the procedures, materials and processes in Engineering

Engineering

Statement Code: ENJC1

Student:

Class:

I can

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

This has been demonstrated by my ability to:

1. State the classroom rules and daily routines e.g. tidying my workstation at the end of class ☐☐☐
2. Use hand tools and machines correctly and safely ☐☐☐
3. Look after my project and store it in the correct place ☐☐☐
4. Identify common engineering materials such as metals and plastics ☐☐☐
5. Explain where common engineering materials such as metals and plastics are used in everyday life ☐☐☐
6. Select a material to manufacture a product based on its properties ☐☐☐
7. Secure a workpiece properly and use the drill correctly ☐☐☐
8. Select a suitable tool for cutting a material and use it correctly ☐☐☐
9. Identify various engineering joining methods such as nuts and bolts, rivets, solder and adhesives ☐☐☐
10. Explain the reason why a joining method was chosen for an every day object e.g. joining wires, meccano sets ☐☐☐
11. Identify various electronic components and symbols ☐☐☐
12. Select appropriate finishes for materials such as filing, polishing or painting ☐☐☐

Reflecting on my learning...

One thing I did well...

One thing I did to improve...

I really enjoyed...

because...