

## Product Planning and Realisation

## Level of Response

Mark Range

Candidates will need to:

- produce a plan of action which considers: materials, pre-manufactured items, equipment, processes and health and safety issues against an order of work and the need to make products that match the design specification;
- select and use tools, equipment and processes effectively and safely;
- economically prepare materials/ pre-manufactured items for production, allowing for waste and fine finish;
- complete a quality outcome suitable for the intended user or users, ensure that their outcome functions effectively;
- be prepared to adapt working procedures in response to changing circumstances;
- use a range of skills and techniques appropriate to the task;
- where appropriate apply a range of industrial techniques when working with familiar materials and processes.

Little or no planning.

[3]

Has used a limited range of materials, tools and equipment

[3]

With frequent prompting uses basic skills and techniques appropriate to the task. Little understanding of safe working practices.

[3]

The product will exhibit a low standard of outcome and may not be successfully completed.

[4]

0-13

Planning will have been restricted to the immediate task and will have relied on prompting.

[6]

Has overcome problems as they arise using appropriate materials, tools and equipment.

[6]

With some guidance has used a range of skills and techniques appropriate to the task. Reasonable understanding of safe working procedures.

[6]

The product will exhibit a reasonable standard of outcome, be mainly complete and will satisfy the specification with a limited degree of success.

[8]

14-26

Most of the realisation will have been planned in advance

[9]

Has made economic and efficient use of materials, tools and equipment modifying the application of these if appropriate.

[9]

With a normal level of supervision, has combined a range of skills and techniques appropriate to the task. Good understanding of safe working procedures.

[9]

The product will exhibit a good standard of outcome, will be complete and will function as intended.

[12]

27-39

The realisation will have been thoroughly planned to specify an effective order for the sequence of operations.

[12]

Resourceful and adaptable with materials, tools and equipment and to a high degree of precision.

[12]

Has independently combined a range of skills and techniques appropriate to the task. High understanding of safe working procedures.

[12]

The product will be completed to a high quality and will fully meet the requirements of the final product specification.

[16]

40-52

**Total****52**