

## Engineering Manufacture

# A PROJECT APPROACH TO DELIVERY

## Energy Transformation

### The Project Brief – Learner Copy

You are to take the CAD drawing of a component, a fly wheel or fly wheel holder would be suitable.

#### Your task is to:

- consider alternative materials and suggest the most appropriate material for use in the manufacture of the component
- produce a pre-production version of the component using manual methods
- produce a batch of identical components using CNC manufacturing methods
- carry out quality inspections
- compare the pre-production version on the component to the those produced using CNC methods
- evaluate the consistency of the batch of components.

This work could be undertaken as individuals or within a team. If working within a team you are expected to contribute in each of the areas in order to gain the experience and knowledge required to successfully complete the Cambridge National in Engineering Manufacture.

