Foxford Learning Plan

YEAR: 12

Topic: Industrial and Commercial Practice

Summer Term

Key Vocabulary

Quality Assurance	The maintenance of a desired level of quality in a service or product, especially by means of attention to every stage of the process of delivery or production.
Total Quality Management (TQM)	A system of management based on the principle that every member of staff must be committed to maintaining high standards of work in every aspect of a company's operations.
Critical Path Analysis (CPA)	The mathematical network analysis technique of planning complex working procedures with reference to the critical path of each alternative system.
Quality Control	A system of maintaining standards in manufactured products by testing a sample of the output against the specification.
Specification	Criteria that a product must satisfy to be successful.
Design Process	The stages followed during the design and manufacture of a product.
Prototype	A model that tests out the success or failure of a product or part of a product.
Primary Research	Primary research involves gathering data that has not been collected before.
Secondary Research	Secondary research or desk research is a research method that involves using already existing data.

Key Skills

Over the course of the topic, I will be able to:
Explain what Quality Control and Quality Assurance is
Describe the purpose of TQM when designing and manufacturing products
Explain how CPA is used when designing and manufacturing products
Explain how a specification is used when designing and manufacturing a product
Describe the differences between primary and secondary research



I will understand:

1. How and why QA and QC procedures are used in industry
2. How and why TQM and CPA are used commercially
3. The importance of a specification when designing and manufacturing a product
4. How to effectively gather and analyse research from a range of sources
5. How and why prototypes are sued during the design process