

Industrial Revolutions

1st Industrial Revolution: steam power, first factories; textiles, metals, transport; social effects

2nd Industrial Revolution: electricity, assembly line/mass production; transport, appliances; social effects

3rd Industrial Revolution: computers and electronics

4th Industrial Revolution: digital revolution; Internet of Things; networks and connectivity

The Twentieth Century

World War I

James Joyce, the inward turn, internal monologue and stream of consciousness

The Roaring '20s and the Great Depression

World War II

Automation and Robotics

Automation

Computer Assisted Design (CAD)

Computer-Assisted Manufacturing (CAM)

Computer Integrated Manufacturing (CIM)

Numerical Control (NC) systems and Computerized Numerical Control (CNC) systems

Sensors

Internal Combustion Engine

General characteristics

4-stroke gas engine

4-stroke diesel cycle

Grammar and Skills Revision

Past tenses and present perfect

1st and 2nd conditionals

Reading strategies for INVALSI

Listening strategies for INVALSI