

Advanced Level Engineering Technology

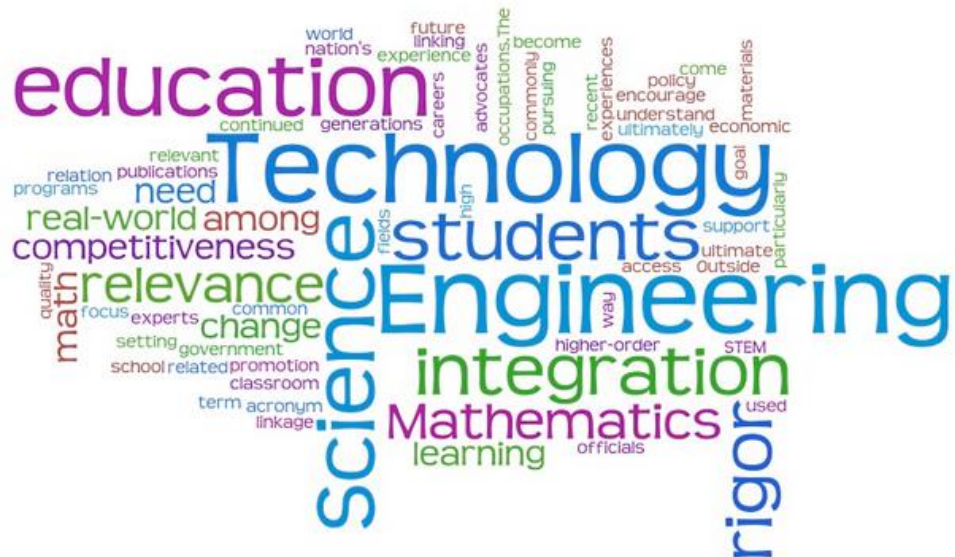
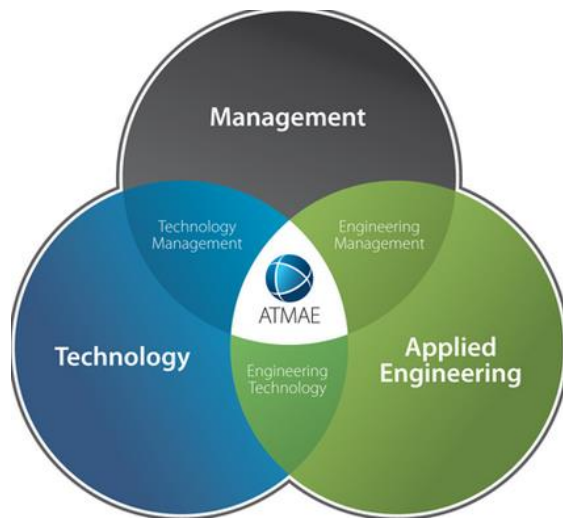
By

Eng. Susantha Jayasinghe

Syllabus – Grade 12

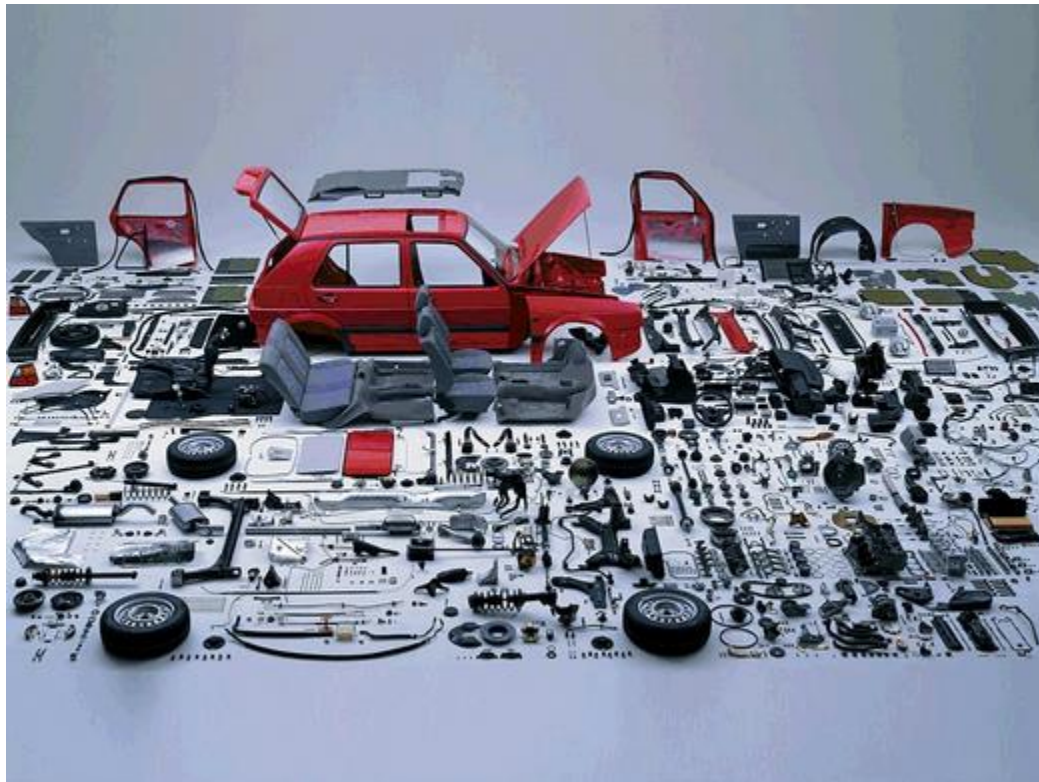
- Introduction to Engineering Technology

- From history to the Present
- Commercialization
- Technological Management
- Local Industries



Basic Automobile Technology

- Identify & aware Main systems & components



Fundamentals of Building Construction Technology

- Study of the basic theories of building construction.



Basic Electrical Technology

- Use of Electrical Power for Domestic Applications.



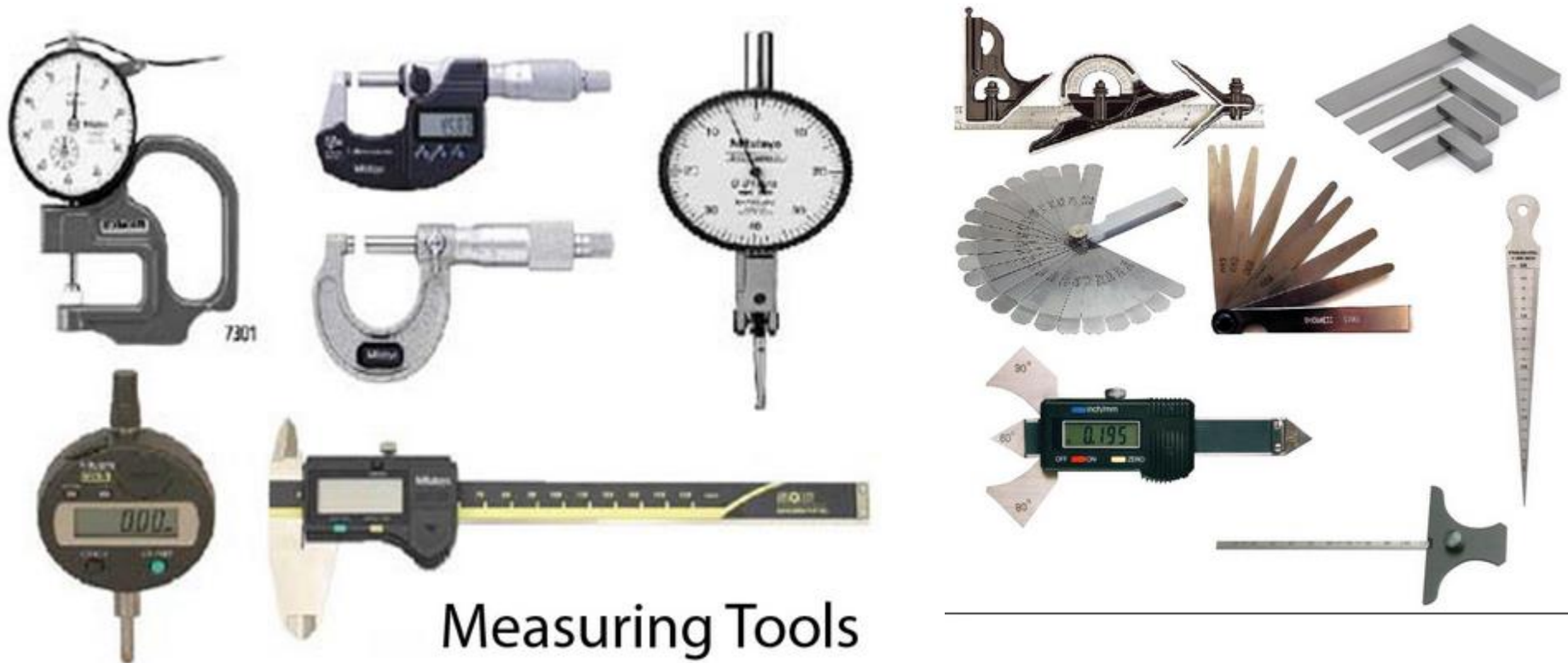
Production Technology

- Use of modern techniques for various Metal production activities.



Measurements & Instrumentations

- Identify various measuring instruments for different engineering measurements.



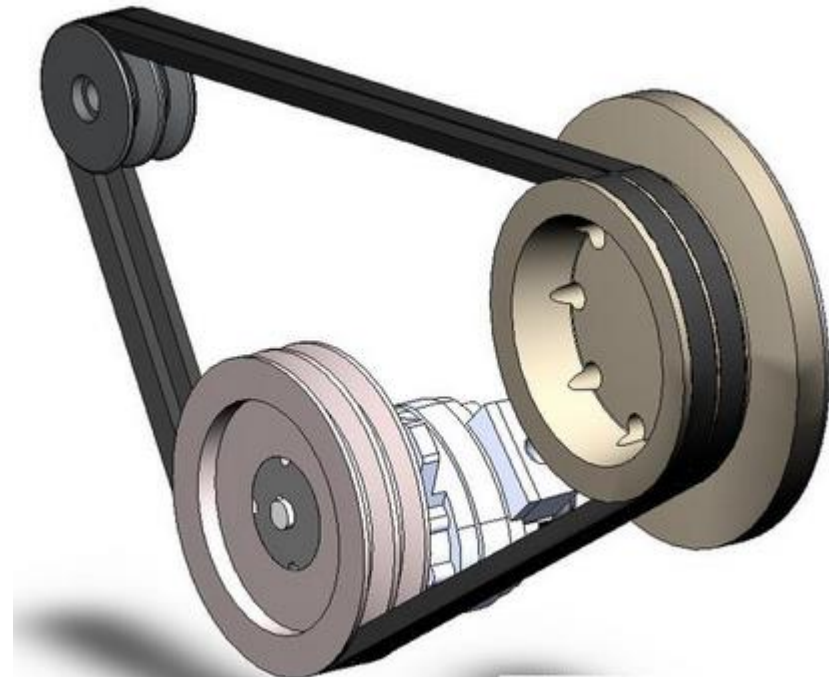
Safety Techniques

- Understand how to create safety environment within the work site.



Power Transmission Techniques

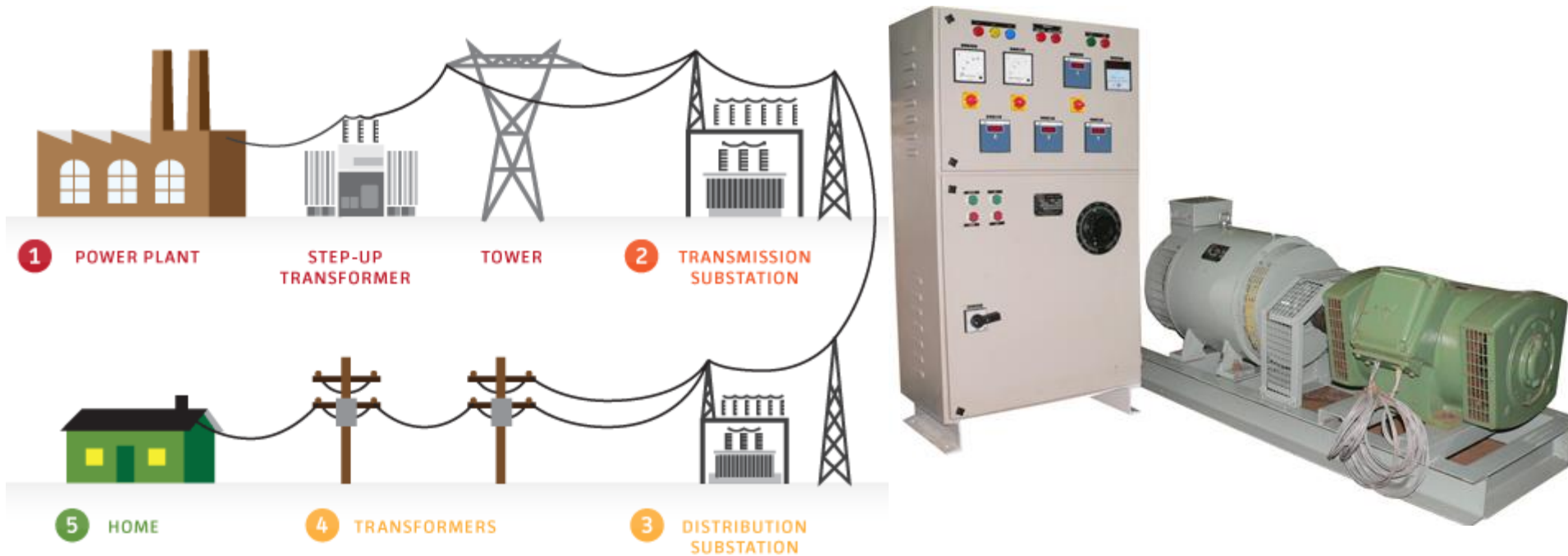
- Investigate Mechanical Power transmission techniques within a Mechanical Power systems



GRADE 13 SYLLABUS

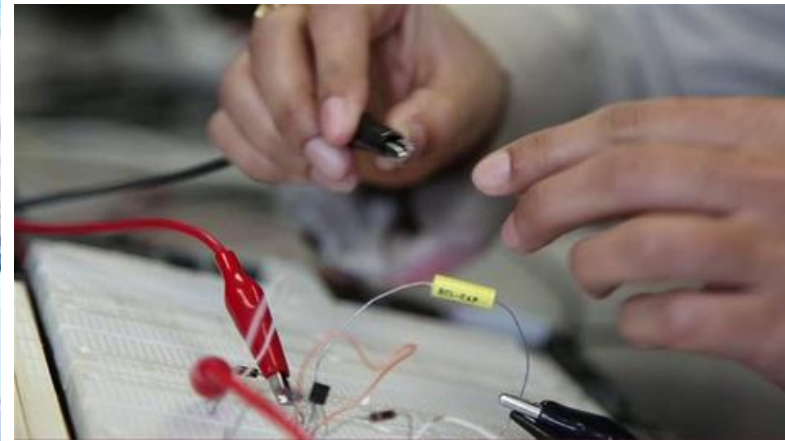
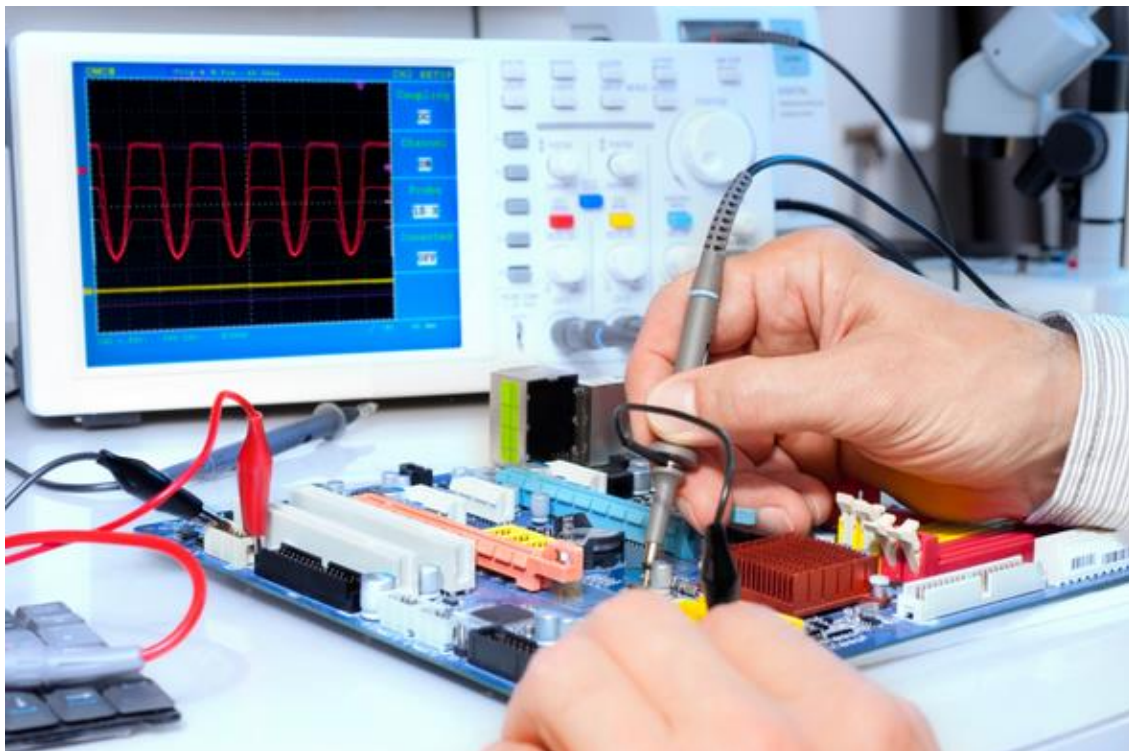
Electrical Machines and Power Systems

- Describe the Electrical Power Generation, Transmission and Distribution systems



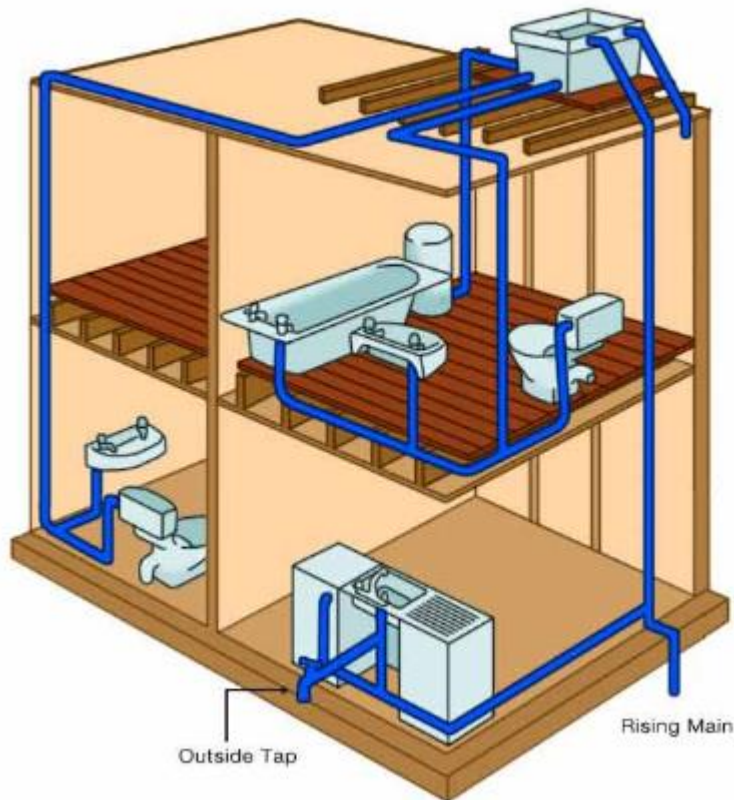
Basic Electronics and Applications

- Study the basic Analogue and Digital Electronics systems and their Applications



Domestic Water Supply and Garbage Disposal

- Study about domestic water supply system and Garbage management systems.



Fluid Machines

- Study about the principles of basic Hydraulic and Pneumatic systems



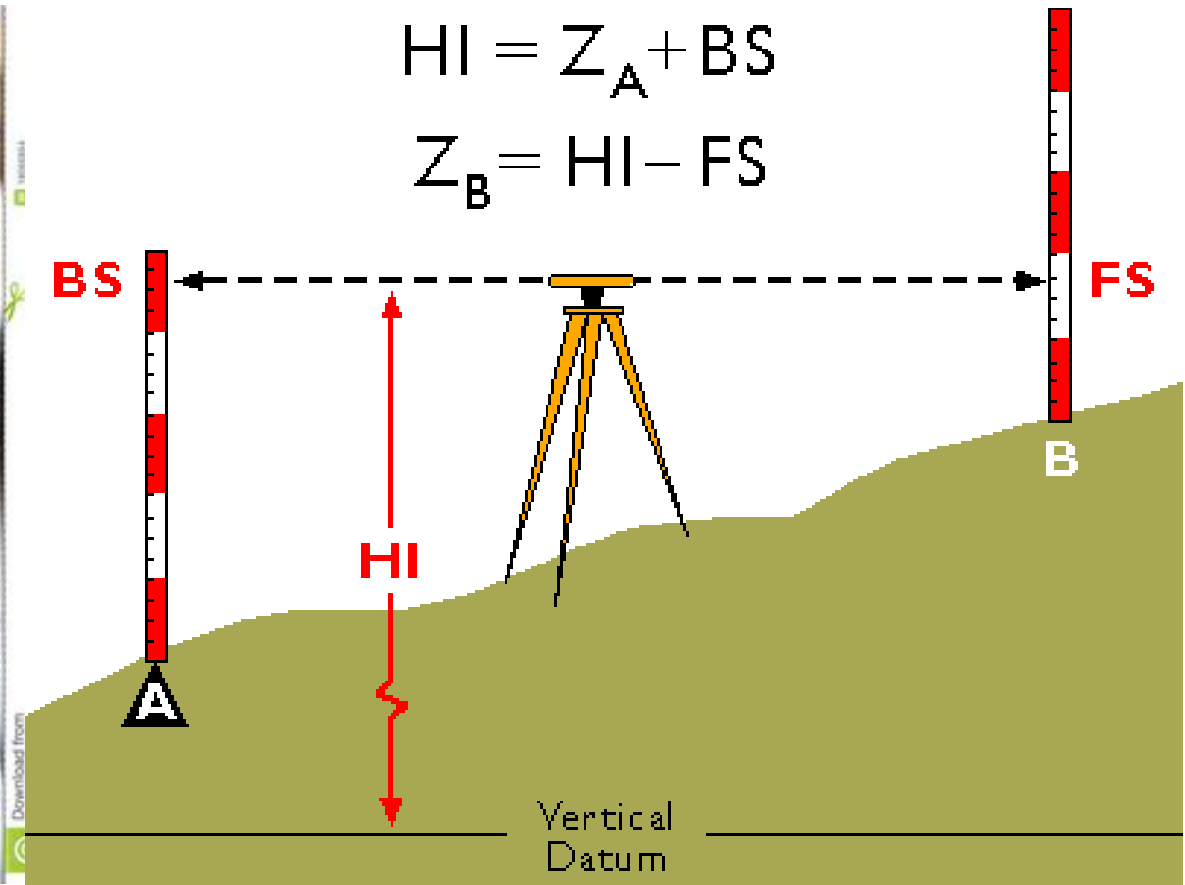
Engineering Standards

- Identify different Engineering Standards and their Importance.



Land Survey & Levelling

- Study about the Survey Techniques of surveying small land and sketch the Plan.



Quantity Survey

- Study about calculating TDS sheets and BOQ according to given Building Standards



Industrial Management & Entrepreneurship

- Apply Industrial Management & Entrepreneurship techniques for a Self Employment.

Dr Prem's
Entrepreneurship
Training

