

After completing this unit you should be able to

- Understand the concept of mathematical modelling when applied to problems in mechanics
- Understand the principles of empirical modelling where data is used to model the practical problem
- Appreciate that force causes a change in motion
- Be aware that there are many types of force, including Weight (gravitational force), Normal Reaction force, Tension and Friction
- Understand the basis for Newton's Law of Gravitation
- Be able to use dimensional consistency in equations.