

TECHNOLOGY SCOPE GRADE 8

JUNE 2023 EXAM

TERM 1

Frame Structures

- What is a frame structure?
 - Members of a roof truss
 - Forces that can be exerted on members of structures
- Electrical pylons
 - How they are made rigid?
- Structures that span over space
 - Different kinds of bridges
 - Beams in structures
- Structural failure
 - How do structures fail?
 - Failure by tipping over
- Mechanical systems that create motion
 - Mechanical systems and mechanical advantage
 - Wedges
 - Wheels and axles
 - Gears
 - Mechanisms that change the direction of movement
- Mini PAT (Page 65-74)

TERM 2

Graphical Communication

- The purpose of graphics
- Drawing confections
- Drawing scale
- Drawing an object in double vanishing-point perspective
- Recycling and waste paper (You will need to study Chapter 5 of your textbook on your own and try out all the enabling task especially **Enabling task 5.4** and the questions at the end of this chapter)

Make use of your Textbook, your exercise book and the internet to prepare yourself for this exam.

All the best!