

## Grade 7 NS Exam – 5 June 2018

### The concept of the Biosphere

- The systems of Earth
- Biosphere
- Different kinds of living things
- The seven processes of life

### Requirements for sustaining life

- What living things need
- Adaptations to the environment
- Topic 1 Revision

### Classification of living organisms

- Classification systems
- Classification of living organisms
- Seven level classification system
- Basic differences between plants and animals

### Diversity of animals

- Vertebrates
- Invertebrates

### Diversity of plants

- Spore-producing plants
- Seed-producing plants
- Two major groups of angiosperms
- Characteristics of a monocotyledonous plant
- Characteristics of a dicotyledonous plant
- Topic 2 Revision

### Sexual reproduction in angiosperms

- The structure of a flower
- Pollination
- Fertilisation
- Dispersal of seeds and fruit

### Human reproduction

- Puberty
- The menstrual cycle
- Fertilisation
- Preventing pregnancy and STD's
- Pregnancy
- Birth
- Skills focus
- Topic 3 Revision

### Variation exists within a species

- What is a species?
- Individuals of the same species can reproduce
- Differences are called variations
- Variations are inherited
- Variations among family members
- Topic 4 Revision
- Term 1 Practice test

## Physical properties of materials

- Properties of materials determine their suitability for a particular use
- Skills focus – Draw line graphs

## Impact on the environment

- The production and use of materials has an impact on the environment
- Topic 5 Revision

## Mixtures

- Pure substances
- Mixtures

## Methods of physical separation

- Hand-sorting
- Sieving
- Filtration
- Using a magnet to separate mixtures
- Evaporation
- Distillation
- Chromatography
- Practical task

## Sorting and recycling materials

- Every person is responsible for waste disposal
- Materials suitable for recycling
- Materials that cannot be recycled
- Systems to sort and dispose of waste
- Negative consequences of poor waste management
- Topic 6 Revision

## Tastes of substances

## Properties of acids, bases and neutrals

## Acid-base indicators

## Topic 7 Revision

## Arrangement of elements in the Periodic Table

- Arrangement of the elements
- The three main categories of elements

## Properties of metals, semimetals and non-metals

- Metals and non-metals
- Semimetals
- Topic 8 Revision
- Term 2 Practice test

All the keywords, worksheets and activities done in the NS workbook.