

GRADE 7 November EXAM CONTENT

Maths Paper 1 (No calculators)

1. All arithmetic terminology highlighted in Maths dictionary
2. Types of numbers: integers (+ -), counting, natural, square, cube, roots of squares & cubes, Fibonacci numbers, triangular numbers, factors, multiples, primes, composite & prime factorisation
3. Number patterns; input -output & Equations
4. Percentages
5. Common & Decimal fractions: Adding, subtracting, multiplying & dividing fractions. Also BODMAS with fractions & conversions – fractions to decimals & percentages
7. Ratio
8. Probability

Maths Paper 2(calculators + Geometry sets)

1. All Geometry terminology highlighted in Maths dictionary & geometry notes
2. Properties, measurement & construction of lines, angles, polygons, triangles & quadrilaterals, the circle terminology & construction of a circle
3. Perimeter: squares, rectangles, polygons (triangles & others)
4. Area: triangles, squares, rectangles + surface area of 3D shapes
5. 3D objects, nets, prisms, solids, pyramids
6. Volume
7. Graphs, data, mean, median, mode & range ;plotting & reading co-ordinates
8. Problem-solving

Technology

1. The design process + careers in Tech
2. 3D Drawing (V.P/isometric)
3. mechanical Systems (pulley, crank, wheel, wedge, lever etc.)
 - mechanical advantage
 - pneumatics & hydraulics
4. Structures
 - types
 - strengthening structures
 -
5. Electricity and magnetism
 - magnetism
 - electrical circuits
 - circuit diagrams
 - electromagnets

6. Processing
- refugees
 - emergency situations
 - manufacturing food

English language & Comprehension (Paper 1) - 80 marks (1 ½ hours)

Themes

- The media - newspapers (types & parts of the newspaper)
- Advertising - analysing magazine adverts
- Stereotyping

Grammar

Parts of speech

- **Adjectives:** forming adjectives; comparisons; proper adjectives
- **Verbs:** forming verbs; active & passive ; tenses; present & past participles (eg. fly, flew, flown)
Past participles used as adjectives, combining sentences with past participles
- **Nouns:** forming nouns; common, abstract, proper, collective, singular, plural, gender
- **Adverbs:** Forming adverbs; types of adverbs – place, manner, time, degree, frequency; adverbial phrases
- **Figurative Language:** alliteration; onomatopoeia, simile, metaphor, personification, hyperbole; puns; idioms; proverbs etc.)
- **Direct & Indirect speech**
- **Concorde** (Subject-verb agreement) e.g the boy is - the boys are; they go, he goes)
- **Phrases and sentences**
- **Types of sentences:** statements (fact/opinion); exclamation; command; question
- **Word origins/root words**
- **Prefix & suffix**
- **Ambiguity**
- **Colloquial language:** slang & informal
- **Punctuation:** comma, question mark, exclamation
- **The apostrophe** – to show possession + contractions
- **Abbreviations**
- **Conjunctions & transition words**

English Literature (Paper 2) - 40 marks (1hr)

- Hatchet - contextual questions based on the book
- All work done on poetry (figures of speech, types of poems, rhyming patterns, poetic styles)
- Similes, proverbs & idioms ; Literary terms

Afrikaans Taal

Taalwerk –

Taal will be in your Afrigons boek 1 en 2 and worksheets in your Taalboek. Hulpwerkwoorde, Lettergrepe, Sinsoorte, Vraagwoorde, Leestekens, Skryftekens, Meervoude, Verkleining, Idiome (Afrigons 2 bl 57) Woordorde, Voornaamwoorde, Betreklieke, Byvoeglike naamwoorde, Bywoorde, Verlede en Toekomende Tyd, Ontkenning, Voegwoorde, Indirekte rede, Voorsetsels (boek), Lydende en Bedrywende vorm.

Afrikaans Letterkunde: Gedigte en kort stories: no preparation needed

Natural Science 100 marks (1 ½ hours)

- Matter - properties
- Measurement of matter
- Mass & weight
- Volume & Density
- Periodic table
- Properties of materials
- Mixtures & separation techniques
- Force
- Energy & Heat transfer
- Plants, the flower & pollination
- The Rocky Shore Ecosystem: animals, algae, plankton, food chains; adaptations

Social Science

GEOGRAPHY EXAM: 1 ½ hours

Term 3 & 4 Work

1. Population Geography (Notes & TB)

1.1 Population Growth/Change (TB p52 – 75)

1.2 Natural Resources & Conservation (TB p79 – 93)

1.3 Water in SA (TBp97-103)

1.4 Continent worksheets at the back of your note book

HISTORY EXAM: 1 ½ hours

Term 3 & 4 Work

1. Colonisation at the Cape in the 17th & 18th centuries: (TBp154 – 181)

1.1 Indigenous inhabitants

1.2 Dutch settlement

1.3 Slaves and slave legacy at the Cape

1.4 Freeburghers, Dutch and French Huguenots

1.5 Expanding European frontiers and Trekboers

1.6 Land dispossession and results for Khoisan

2. Co-operation and conflict on frontiers of Cape in early 19th century (TBp183 – 198)

2.1 Arrival of British at the Cape

2.2 The Eastern frontier

2.3 British immigration and 1820 Settlers

2.4 Abolition of Slavery at the Cape

2.5 Boers migrate: Great Trek

Life Orientation.

Health, social and environmental responsibilities

Unit 15: Substance abuse pg 77-84

Unit 17: Environmental health pg 91-104

Unit 23: Common diseases pg 134-146

World of work

Unit 19: Value and importance of work in fulfilling personal needs and potential pg 107-117

Development of the self in society

Unit 21: Personal diet and nutrition pg 121-131

Constitutional rights and responsibilities

Unit 25: Role of oral traditions and scriptures in major religions in SA pg 150-156

IsiXhosa:

1. Noun Classes & verb links
2. Na- (as and; have; with) & Nga- (by, about)
3. Questions: Take note of the of the question words and the questions without question words
4. Expressing Time and Place
5. General knowledge including numbers

EMS

Goods and services

- The different categories

Businesses

- Advantages and disadvantages of formal and informal businesses

Accounting Concepts

- Assets and liabilities
- Income/expenses/profit and loss

Entrepreneurship

- definition of entrepreneurs
- characteristics of entrepreneurs
- skills of entrepreneurs
- entrepreneurial actions of buying, selling, producing and making a profit

Starting a business

- Needs and wants of consumers
- S.W.O.T analysis
- Setting and achieving goals

Financial Literacy

- Simple cost calculation (variable, fixed, total cost, gross/net)
- Calculating total cost
- Calculating unit price

Inequality and poverty

- Causes of socio-economic imbalances

The Production Process

- Definition of Production
- Factors of production (land, labour, capital, entrepreneurship)
- Inputs and Outputs

Sustainable use of resources

- Economic growth
- Effects of productivity on economic growth

Savings

- Personal savings

- History of banks
- Role of banks
- Stokvels

Arts and Culture:

DRAMA:

- Types of stages & terminology TB pg 179 -180
- Appreciation & reflection of a performance TB pg 181 Activity 6
- Careers in the arts industry TB pg 182 - 185

ART:

- Colour theory
- Principles of design
 - Principles of design worksheet
 - Balance worksheet
 - Rhythm worksheet
- William Kentridge