



**MIDSTREAM COLLEGE
GRADE 6**

EXAM BREAKDOWN

NOVEMBER 2024

**Mathematics Paper 1
8 November 2024**

SECTION A: NUMBERS	Study material
Integers	Ezio pg. 1 – 18
Place and number values	Play pg. 1 – 7 ; 18 – 19 ; 67 – 72 ; 135 – 138 ; 137 ; 187
Number concepts	
Rounding off	
Square numbers	Play pg. 92 ; 177
Calculations	
Order of operations (BODMAS)	Ezio pg. 45 – 48
	Play pg. 19 – 21
	Worksheets
Basic Algebra	Play pg. 224 – 226
Solve for the unknown	Worksheets
Addition and subtraction	Ezio pg. 19 – 25
Terminology	Play pg. 18 – 21 ; 138 – 140
Inverse calculations	
Problem solving	
Multiplication and division	Ezio pg. 26 – 39
Multiply and divide	Play pg. 73 – 79 ; 97 – 104 ; 188 – 193 ; 217 – 220
Inverse calculations	
Divisibility rules	
Multiples and factors	Ezio pg. 40 – 44
Multiples	Play pg. 73 – 74 ; 98 ; 188 – 189
Factors	
Prime and composite numbers	
Factor trees	
Rate and ratio	Ezio pg. 196 – 197
Problem solving and word problems	Play pg. 104 ; 191 ; 219 – 220
Calculations using all of the above	
SECTION B: FRACTIONS	Study material
Common fractions	Ezio pg. 98 – 112
Part of a whole	Play pg. 23 – 33 ; 194 – 203
Compare and arrange fractions	
Equivalent fractions	
Calculations with fractions	
Simplify fractions and Conversions	
Decimal fractions	Ezio pg. 113 – 130
Place and number value	Play pg. 106 – 119
Expanded notation	
Rounding off decimals	
Compare and arrange decimals	

Multiply with decimals	
Divide with decimals (10, 100, 1 000)	
Calculations with decimals	
Percentages	Ezio pg. 131 – 137
Conversions	Play pg. 162 – 167
Calculate percentage of a number	
Problem solving	
Calculations using all of the above	
SECTION C: PROBABILITY, RATE AND RATIO	Study material
Calculate probability	Ezio pg. 209 – 211
Rate and ratio	Play pg. 104 ; 191 ; 219 – 220 ; 232 – 236
Calculations using all of the above	

**Science
11 November 2024**

MODULE 2: ENERGY AND CHANGE	p.66-67
Symbols for components of a circuit	p.65-67
Leave out activity 9 p.68	
Study the notes in your workbook on parallel and series circuits.	
Diagrams:	
Parallel and Series Circuits	notes
MODULE 3: MATTER AND MATERIAL	p.69-86
Terminology:	p.70 and 71
Chemical symbols	p.71
Leave out test your knowledge p.72	
The particle model of matter:	p.73 and 74
(Leave out Practical Activity 2 p. 74-76)	
Mixtures: Solutions, suspensions and Colloids	p.76 and 77
Factors that influence the rate of dissolving	p.78
Mixtures and water sources	p.81-83
Purification of water sources	p.84-85
(Leave out Practical Activity 4 p.86-87)	
Activities:	
Activity 10	p.79
Practical Activity 3	p.79 and 80
Diagrams:	
Mixtures	p.77, 82, 83
MODULE 4: Rock Formation	p.88-96
Terminology:	p.89
(Leave out Test your knowledge p.90-91)	
Fossils	p.90-93
Rock Formation	p.94-96
Activity:	
Activity 11	p.97

Afrikaans Eerste Addisionele Taal
Leesbegrip
12 November 2024

Bestudeer die notas in *KomInPas met Afrikaans Tweede uitgawe bl. 122-125* oor begripstoetse. Leer die woordeskat op bl. 124-125 baie goed. Vaardighede in leesbegrip, visuele geletterdheid en soeklees sal in hierdie vraestel geassesseer word. Gaan gerus deur vorige leesbegrippe in jou leesvaardigheidskrif en toetslêer ter voorbereiding.

Geography
13 November 2024

Module 3

Short questions:

Pg. 1 - 14

Long questions:

Pg. 11: Africa 1-4

Pg. 12: Oceania 1-3

Maps/Sketches

Know what continents look like and where they are found on world map.

Module 4

Short questions:

Pg. 1 – 13

Long questions:

Pg. 2: Reasons why people live in a certain area

Pg. 2: Why people move from rural areas to towns/urban areas

Pg. 11: Europe 1-3

Maps/Sketches

Know what continents look like and where they are found on world map.

Leave

Pg. 1 c Total population figures and averages for each province

Pg. 3 a Population distribution around the world

Pg. 3 b Major cities and their population size

English
Comprehension and Visual Literacy
14 November 2024

Please note:

Handouts have been provided for Language and Visual Literacy. These will serve as study guides. Go through these handouts thoroughly. You are welcome to use the notes, worksheets and assessments we have completed throughout the year to revise from, as well as the English Handbook and Study Guide (EHSG) for additional practice exercises and examples.

Paper 1: Comprehension, Visual Literacy and Language

Your exam will consist of a comprehension, language, and visual literacy section.

- Please refer to the comprehension note in your white book.
- Please study the visual literacy handouts.

Language:

- Please refer to your language booklet and the English Handbook and Study Guide (EHSG).

Parts of Speech:

- **You must be able to spell the parts of speech**
- Nouns (proper, common, abstract, collective)
- Pronouns (personal, possessive, and reflexive)
- Adjectives (including proper adjectives)
- Adverbs (of manner, time, and place)
- Conjunctions
- Prepositions
- Definite and indefinite articles
- Verbs and tenses (including simple and continuous tense)
- Direct speech
- Indirect / reported speech
- Concord (subject and verb agreement)
- Subject and predicate
- Simple and compound sentences
- Fact and opinion
- Acronyms and abbreviations
- Homonyms and homophones
- Fact and opinion
- Active and passive voice
- Idioms and proverbs
- Root words, prefixes, and suffixes

Punctuation Marks

- Capital letters
- Full stops
- Question marks
- Comma
- Exclamation marks
- Quotation marks
- Colon
- Ellipsis
- Semicolon
- Bullets
- Hyphen
- Brackets
- Dash
- Apostrophe of contraction
- Apostrophes of possession

**Afrikaans Eerste Addisionele Taal
Taalleer
15 November 2024**

Leer die volgende in jou KomInPas met Afrikaans en geel Taalleer-skrif:

Afdeling	KIP Tweede uitgawe
1. Woordsoorte:	
a. Voorsetsels	Bl. 72 & 74 graad 6-kolom (vaste verbindings) Moet die voorsetsel korrek in 'n sin gebruik.
b. Voornaamwoorde	Bl. 61 & 62 Moet die persoonlike-, vraende- en besitlike vnw. kan toepas.
c. Byvoeglike Naamwoorde: trappe van vergelyking, intensiewe vorme, en verbuigings.	Trappe van vergelyking: bl. 66-67 (Moet kan toepas.) [Let op die groen ONTHOU-blok bl. 67.] Intensiewe vorme: bl.68 (Gr. 4-6 se kolomme) Verbuigings: Bl. 70-71
d. Selfstandige Naamwoorde: versamelname, meervoud en verkleining, en geslag	Versamelname: bl. 58 (Algemene Kennis) Meervoud- & Verkleiningreëls moet op algemene woordeskat toegepas kan word: bl. 48-54 (Geen kolomme moet geleer word nie.) Geslag: bl. 57 (Gr. 4-6 se kolomme)
2. STOMPI (woordorde)	Bl. 29-32 [Let op bl. 32.]
3. Tye van die werkwoord	Bl. 34-39 Leer Slegs 8.3.1, 8.3.2, 8.3.3, en 8.3.7 [Let op Tydwoorde bl. 39: 8.3.8]
4. Ontkenning	Bl. 44-45
5. Verbindingswoorde/ Voegwoorde	Bl. 40-41 Slegs graad 4-6

History
18 November 2024

The learners are to study the following 2 modules:

- **EXPLORERS FROM EUROPE FIND SOUTHERN AFRICA**

Page 2 to 15

Dates ► There are no dates to study from this module.

Names that do not need to be learned: Please see the module on the homework web.

Pg. 8

Pg. 9

Pg. 10

Pg. 12

Pg. 13

Correction p 8 ► Not Spanish king but Portuguese king.

- **MEDICINE THROUGH TIME**

Page 2 to 13

These are the only dates to study off by heart:

	Date
The last known case of smallpox was reported	1978
The first antibiotic Penicillin is discovered	1928
The first successful heart transplant is performed	3 rd of December 1967

General

- ❖ Worksheets can be used as revision for the exam.
- ❖ Take note of the types of questions / examples of questioning techniques.
- ❖ Please do not study the worksheets only.
- ❖ Learners must also be able to name and discuss photos/pictures.
- Dates in general: Learners must be able to convert a year to a century and back - Refer to the target page in the learners' History File.

English

Poetry

19 November 2024

- There are one seen poem in this examination: "The Road Not Taken."
- There is one unseen poem in this examination.
- Literal and figurative language
- Synonyms and antonyms
- **Figures of speech**, namely:
 - Metaphors
 - Similes
 - Personification
 - Alliteration
 - Hyperbole
 - Onomatopoeia

- **Poetry Terminology Reference Guide:** Line, stanza, rhyme, rhyme scheme, setting, imagery, oxymoron, symbol /symbolism, irony, mood, moral, speaker, subject, theme, tone.

Computer Literacy
20 November 2024

Practical Examination:

The learners should be able to complete a typing test within 4 minutes. Please use <https://www.typing.com/student/lessons> to prepare for the typing test.

Theory Examination:

The Theory Exam will be completed in the **Computer Lab on Classmarker** and consists of multiple **questions**.

Learners are allowed to use the module as a reference during the Classmarker exam.

Classmarker's login details are available at the front of the homework dairy

Module: Software

- Unit 1: p. 2
- Unit 2: p. 3 – 9

Module: Program 2024

- Operating Systems: p. 2 – 3
- Windows 11: p. 3 – 4
- Android and IOS: p. 4 – 5
- Windows vs Mac: p. 5 – 6
- Windows Office 365 Suite: p. 6 – 7
- Google workspace: p. 8 – 9
- Google workspace vs Microsoft 365: p. 10

General knowledge questions based on the Modules, will also be asked.

Technology
21 November 2024

Technology Applied – Technology textbook

1. Module 3: Mechanical systems and control

- Introduction pg. 30
- Terminology pg. 30
- Levers pg. 31
- Activity 5 pg. 32
- Classes of levers pg. 33-36
- Mechanical jaw system pg. 37-38
- Activity 6 pg. 38-39

2. Module 4: Structures and bridges

- What is a structure? pg. 41
- Terminology pg. 41
- Revision of various kinds of structures pg. 42
- Investigate structures pg. 43-45
- Design issues pg. 46-48
- Activity 7 pg. 48-49
- Strengthening of structural materials pg. 50-52
- Investigate design issues pg. 53
- Bridges (hand out booklet)

Mathematics Paper 2
22 November 2024

SECTION D: GEOMETRY	Study material
2D and 3D objects	Ezio pg. 56 – 89 ; 156 – 167
Names and properties of 2D and 3D objects	Play pg. 47 – 54 ; 80 – 85 ; 145 – 152 ; 205 – 207
Name of triangles	
Faces, vertices and edges	
Angles	
Perimeter, area, and volume	Ezio pg. 156 – 163
Calculate perimeter, area, volume, and surface area	Play pg. 208 – 216
Problem solving and calculations	
Transformations	Ezio pg. 75 – 77 ; 90 – 95
Identify types of transformations	Play pg. 153 – 157 ; 227 – 229
<ul style="list-style-type: none"> • Symmetry 	Worksheets
<ul style="list-style-type: none"> • Translation, reflection, and rotation of 2D shapes 	

SECTION E: MEASUREMENT	Study material
Time	Ezio pg. 178 – 191
Calculate elapsed time	Play pg. 34 – 45
Fractions using time	
Convert units of time (h., min., sec.)	
Length	Ezio pg. 138 – 143
Compare length	Play pg. 179 – 185
Convert units of length (km, m, cm, mm)	
Mass	Ezio pg. 144 – 147
Convert units of mass (T, kg, g and mg)	Play pg. 127 – 134
Problem solving	
Capacity	Ezio pg. 148 – 153
Convert units of capacity (kl, l, ml)	Play pg. 120 – 125
Problem solving	
Temperature	Ezio pg. 154 – 155
Problem solving	Play pg. 158 – 160
Number and geometric patterns	Ezio pg. 51 – 55
Determine the rule	Play pg. 61 – 65 ; 87 – 92 ;
Calculations using all of the above	173 – 178
SECTION F: DATA HANDLING	Study material
Mean, mode, median, and range	Ezio pg. 199 – 208
Bar graphs, pie charts, line graphs, histograms	Play pg. 55 – 60 ; 168 – 172
Interpret data	