



BISHOPS
DIOCESAN COLLEGE

Grade 8 Parents Information Evening

Mathematics

February 2020

Goals

- ▶ to provide stimulation at appropriate levels
- ▶ to challenge boys to understand & appreciate their strengths
- ▶ to encourage boys to recognize and overcome their weaknesses
- ▶ to empower boys with skills essential for academic success in a rapidly changing world

Common Concerns

Homework can be frustrating

- it may be too difficult
- some boys don't know where to start
- it may take too long
- poor organizational skills result in neglected homework

Common Tests and Exams

- may feel inaccessible
- results may be poor and lead to low self-esteem

Cognitive levels (across all grades)

- ▶ Knowledge 20%
- ▶ Routine procedures 35%
- ▶ Complex procedures 30%
- ▶ Problem Solving 15%

Complex Procedures

- ▶ There is often not an obvious route to the solution
- ▶ Require conceptual understanding
- ▶ Learners are expected to solve problems by integrating different topics.

Problem Solving

- ▶ Non-routine problems (not necessarily difficult)
- ▶ Mainly unfamiliar
- ▶ Higher order reasoning and processes
- ▶ Interpreting and extrapolating from solutions obtained by solving problems based in unfamiliar contexts.

Formative

versus

Summative

Assessment

Formative Assessment

- The goal is to monitor student learning to provide ongoing feedback that can be used to improve teaching and learning & help students identify strengths and weaknesses & target areas that need work
- provide feedback to allow for early intervention
- Formative assessments are generally low stakes, with a low point value
- At school level, formative assessments include tests, investigations, tutorials and assignments

Summative Assessment

- The goal is to evaluate student learning at the end of an instructional unit by comparing it against some standard or benchmark
- At school level summative assessments are examinations

Assessments

Boys are expected to meet deadlines

- dates for all assessments in 2020 are on the intranet
- Common tests can ONLY be written in their assigned slots and cannot be “caught up”.
- Investigations and assignments must be completed even if a boy is absent on the due date.
- Validation Tests will be written on the day a boy returns to school.

Rolling Averages on My Bishops Life

- ▶ Marks are updated regularly
- ▶ Weightings change constantly
- ▶ Parents can track marks

November Report Weightings

Approximate breakdown of marks, by percentage:

- ▶ November Exam (2 Papers) 60%
- ▶ June Exam (1 Paper) 16%
- ▶ Common Tests 8%
- ▶ Assignments 12%
- ▶ Investigations 4%
- ▶ 4 lowest test marks are dropped
- ▶ If a boy is absent for four or more tests, no tests are dropped.

Bishops Intranet

WORK SCHEDULES

[Grade 8 SBA Schedule 2020](#)

[Grade 8 Work Schedule 2020](#)

GUIDELINES

[Parents Mathematics Info \(2018\)](#)

[CAPS Document](#)

[G8 J Exam Guidelines 2020](#)

[G8 N Exam Guidelines 2020](#)

OTHER

[Old Maths Intranet](#)

REVISION BOOKLETS

EXAMS

[BISHOPS Past Papers](#)

[OTHER PAST TESTS](#)

TESTS AND TUTORIALS

[2012](#)

[2013](#)

[2014](#)

[2015](#)

[2016](#)

[2017](#)

[2018](#)

[2019](#)

[2020](#)

[2021](#)

[2022](#)

[2023](#)

[2024](#)

[2025](#)

[2026](#)

2019 Tests and Assignments

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TERM 1

Booklet	Patterns and Algebra 1	Memo
CT 1	Patterns and Algebra 1	Memo
CT 2	Setting Test	Memo
Booklet	Numbers	Memo
CT 3	Numbers	Memo
RA 1	Revision Assignment Hand Out – ALL work covered in Term 1	Memo
Booklet	More Algebra with negative numbers	Memo
CT 4	Algebra 2	Memo
CT 5	South African Maths Olympiad	Memo
VT 1	Term 1 Revision Assignment Hand in and Validation Test	Memo

BISHOPS Past Papers

JUNE

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Exam	Exam	Exam	Exam	Exam	Exam	Exam	Exam	Exam	No Exam	Exam	Exam
Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	No Memo	Memo	Memo

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Exam	Exam	Exam	Exam	Exam	Exam	Exam	Exam	Exam	Exam	Exam	Exam
Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo

BISHOPS Past Papers

NOVEMBER

2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Paper 1	Exam	Exam	Exam	Exam	Exam	Exam	Exam	Exam	Paper 1	Paper 1	Paper 1
Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo
Paper 2									Paper 2	Paper 2	Paper 2
Memo									Memo	Memo	Memo

2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1	Paper 1
Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo
Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2	Paper 2
Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo	Memo