

# 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

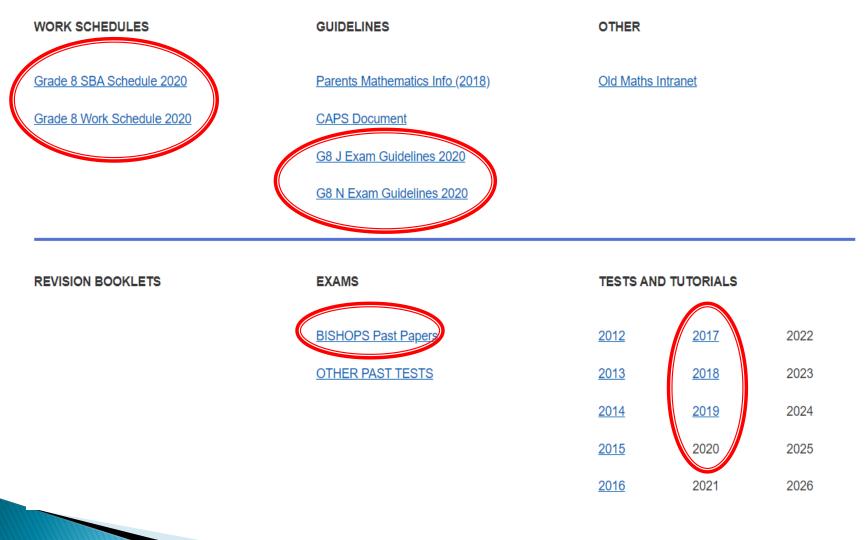
## November Report Weightings

Approximate breakdown of marks, by percentage:

<ul> <li>November Exam (2 Papers)</li> </ul>	60%
June Exam (1 Paper)	16%
<ul> <li>Common Tests</li> </ul>	8%
<ul> <li>Assignments</li> </ul>	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**





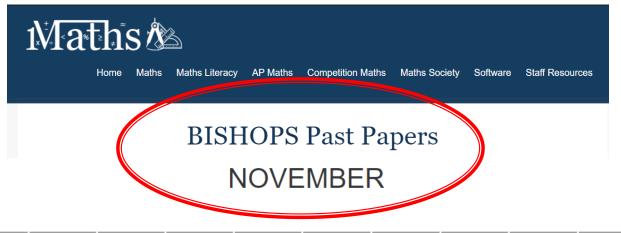
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	TERM 1	
Booklet	Patterns and Algebra 1	Memo
CT 1	Patterns and Algebra 1	Memo
CT 2	Setting Test	Memo
Booklet	Numbers	Memo
CT 3	Numbers	Memo
RA 1	Revision Assignment Hand Out – ALL work covered in Term 1	Memo
Booklet	More Algebra with negative numbers	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



<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>	<u>2010</u>	<u>2011</u>	<u>2012</u>
Exam	<u>Exam</u>	No Exam	<u>Exam</u>	<u>Exam</u>							
Memo	Memo	Memo	Memo	Memo	<u>Memo</u>	Memo	Memo	Memo	No Memo	<u>Memo</u>	<u>Memo</u>

<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>
Exam	<u>Exam</u>	<u>Exam</u>	<u>Exam</u>	<u>Exam</u>	<u>Exam</u>	<u>Exam</u>	Exam	Exam	Exam	Exam	Exam
Memo	Memo	Memo	Memo	Memo	<u>Memo</u>	Memo	Memo	Memo	Memo	Memo	Memo



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

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