

## Mathematics Policy

### Rationale

Active and effective participation in Mathematics is central to all our lives. It is essential that students develop knowledge, skills, confidence and competence to be life-long learners of Mathematics. It is through teaching Mathematics that we as leaders provide our students with opportunities to become critical thinkers, which will equip them to solve real life mathematical situations independently.

### Goals

At Holy Trinity we aim to:

- recognise the fundamental importance of Mathematics
- provide a supportive learning environment, which encourages mathematical exploration, reasoning and risk taking
- develop mathematical skills and knowledge to assist students with their critical thinking in real life situations
- immerse students in mathematical language and experiences, which are supported by modelling and the use of a variety of approaches and concrete materials.
- plan and teach according to the needs of students as identified through assessments
- encourage students to use everyday language and mathematical terms to express their understandings and consolidate their learning
- use technology appropriately and effectively to support the learning of Mathematics
- give students the opportunity to work independently and in co-operative group situations which encourage the sharing of knowledge
- share ideas and strategies as an integral part of the mathematics program
- Support parents so that they are confident to engage in the learning process in the area of Mathematics

### Implementation

At Holy Trinity:

- AusVELS provides a framework for a sequential Mathematics program
- students' individual abilities are measured using a variety of assessment practices to provide feedback and plan for future learning. See Appendix for Assessment Schedule.
- learning opportunities are provided to cater for the identified needs of students
- the program is designed to assist students through a series of sequentially planned activities
- a variety of methods, equipment and resources are used to allow Mathematical concepts to be developed, implemented and consolidated
- mathematical skills are integrated across the curriculum
- continual opportunities are provided to develop basic skills, processes and automatic recall of tables and number facts
- intervention and extension programs are provided to support student learning across the school
- provide a trained Mathematics Leader

### Evaluation

This policy will be reviewed as part of the three year review cycle or earlier as required.

This policy was reviewed in November 2012.

## HOLY TRINITY ASSESSMENT SCHEDULE

Pre and Post assessment tasks are expected across all curriculum areas each term.

	<u>Term 1</u>	<u>Term 2</u>	<u>Term 3</u>	<u>Term 4</u>
<b><u>PREP</u></b>	<p><b>Beginning of Year testing</b></p> <ul style="list-style-type: none"> <li>• Observation Survey- all tests except wordlist administered within a 4 week period.</li> <li>• Record of Oral Language to be administered during Feb. (CEO)</li> <li>• Monthly running records (PM Benchmark Kit)</li> <li>• Writing sample/analysis</li> </ul> <p><b><u>SINE-MATHS</u></b> (Clinical Interview)</p> <p><b><u>INQUIRY</u></b> =Rich Assessment Task</p>	<ul style="list-style-type: none"> <li>• Monthly running records</li> <li>• Writing analysis / moderation</li> </ul> <p><b><u>JUNE- MATHS</u></b> Early Numeracy Interview</p> <p><b><u>INQUIRY</u></b> =R.A.T</p>	<ul style="list-style-type: none"> <li>• Monthly running records</li> <li>• Writing analysis</li> </ul> <p><b><u>INQUIRY</u></b> =R.A.T</p>	<ul style="list-style-type: none"> <li>• Observation Survey- all tests except wordlist administered within a 4 week period.</li> <li>• Running Records using AlphaAssess to be administered during November (CEO)</li> <li>• Monthly running records</li> <li>• Writing &amp; Reading analysis/ moderation</li> <li>• Oxford Wordlist Test-spelling of first 40 words</li> </ul> <p><b><u>INQUIRY</u></b> =R.A.T</p>

**GRADE ONE**

- Observation Survey- all tests administered within a 4 week period.
- Record of Oral Language to be administered during Feb. (CEO)
- Monthly running records (PM Benchmark Kit)
- Writing sample/analysis

**SINE-MATHS**  
Written paper test

**INQUIRY** =R.A.T

- Monthly running records
- Writing analysis/moderation

**INQUIRY** =R.A.T

- Monthly running records
- Writing analysis

**JULY-SINE-MATHS**  
Written test

**INQUIRY** =R.A.T

- Observation Survey- all tests administered within a 4 week period.
- Running Records using AlphaAssess to be administered during November (CEO)
- Monthly running records
- Writing & Reading analysis /moderation
- Oxford Wordlist Test-spelling of first 100 words

**INQUIRY** =R.A.T

<p style="text-align: center;"><b><u>GRADE TWO</u></b></p>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• Running Records using- (Alpha Assess)</li> <li>• Writing sample /analysis</li> <li>• Monthly running records</li> </ul> <p><b><u>Students at risk- Level 15 or below</u></b></p> <ul style="list-style-type: none"> <li>• Complete full Observation Survey</li> </ul> <p><b><u>SINE-MATHS</u></b> Written paper test</p> <p><b><u>INQUIRY</u> =R.A.T</b></p>	<ul style="list-style-type: none"> <li>• Monthly running records until students achieve level 28. (PM Benchmark Kit )</li> <li>• Writing analysis/ moderation</li> </ul> <p><b><u>INQUIRY</u> =R.A.T</b></p>	<ul style="list-style-type: none"> <li>• Monthly running records until students achieve level 28</li> <li>• Writing analysis/ moderation</li> </ul> <p><b><u>JULY- SINE- MATHS</u></b> Written paper test</p> <p><b><u>INQUIRY</u> =R.A.T</b></p>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• Running Record- (Alpha Assess)</li> <li>• Writing &amp; Reading analysis/ Moderation</li> <li>• Monthly running records</li> <li>• Oxford Wordlist Test- Spelling of first 150 words.</li> </ul> <p><b><u>Students at risk- Level 15 or below</u></b> Complete full Observation Survey</p> <p><b><u>INQUIRY</u> =R.A.T</b></p>
<p style="text-align: center;"><b><u>GRADE THREE</u></b></p>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• S.A Spelling Test</li> <li>• Probe- Written fiction and non-fiction (administer oral test for students “ at risk”)</li> <li>• Writing sample /analysis</li> </ul> <p><b><u>SINE- MATHS</u></b> Written paper test</p> <p><b><u>INQUIRY</u> =R.A.T</b></p>	<p>Writing &amp; Reading moderation/ analysis</p> <ul style="list-style-type: none"> <li>• Naplan</li> </ul> <p><b><u>MARCH-</u></b></p> <ul style="list-style-type: none"> <li>• On Demand Testing-<b><u>Adaptive</u></b> Reading &amp; Mathematics</li> </ul> <p><b><u>INQUIRY</u> =R.A.T</b></p>	<p>Writing &amp; Reading moderation/ analysis</p> <p><b><u>JULY-SINE-MATHS</u></b> Written test</p> <p><b><u>INQUIRY</u> =R.A.T</b></p>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• S.A Spelling Test</li> <li>• Probe-fiction and non-fiction</li> <li>• Writing &amp; Reading analysis/ moderation</li> </ul> <p><b><u>OCTOBER</u></b></p> <ul style="list-style-type: none"> <li>• On Demand Testing-<b><u>adaptive</u></b> Reading &amp; Mathematics</li> </ul> <p><b><u>INQUIRY</u> =R.A.T</b></p>

<p style="text-align: center;"><b>GRADE FOUR</b></p>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• S.A Spelling Test</li> <li>• Probe- Written fiction and non-fiction</li> </ul> <p>(administer oral test for students “ at risk”)</p> <ul style="list-style-type: none"> <li>• Writing sample /analysis</li> </ul> <p style="text-align: center;"><b><u>SINE- MATHS</u></b> Written paper test</p> <p><b><u>INQUIRY</u> =R.A.T</b></p>	<p style="text-align: center;">Writing &amp; Reading moderation/ analysis</p> <p><b><u>MARCH-</u></b></p> <ul style="list-style-type: none"> <li>• On Demand Testing –<b><u>adaptive</u></b> Reading &amp; Mathematics</li> </ul> <p style="text-align: center;"><b><u>INQUIRY</u> =R.A.T</b></p>	<p style="text-align: center;">Writing &amp; Reading moderation/ analysis</p> <p style="text-align: center;"><b><u>JULY-SINE-MATHS</u></b> Written test</p> <p style="text-align: center;"><b><u>INQUIRY</u> =R.A.T</b></p>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• S.A Spelling Test</li> <li>• Probe- fiction and non-fiction</li> </ul> <p style="text-align: center;">Writing &amp; Reading analysis/ moderation</p> <p><b><u>OCTOBER</u></b></p> <ul style="list-style-type: none"> <li>• On Demand Testing- <b><u>adaptive</u></b> Reading &amp; Mathematics</li> </ul> <p><b><u>INQUIRY</u> =R.A.T</b></p>
<p style="text-align: center;"><b>GRADE FIVE</b></p>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• S.A Spelling Test</li> <li>• Probe - Written fiction and non-fiction</li> </ul> <p>(administer oral test for students “at risk”)</p> <ul style="list-style-type: none"> <li>• Writing sample /analysis</li> </ul> <p style="text-align: center;"><b><u>SINE-MATHS</u></b> Written paper test</p> <p><b><u>INQUIRY</u> =R.A.T</b></p>	<p style="text-align: center;">Writing &amp; Reading moderation/ analysis</p> <p style="text-align: center;">Naplan</p> <p><b><u>MARCH-</u></b></p> <ul style="list-style-type: none"> <li>• On Demand Testing- <b><u>adaptive</u></b> Reading &amp; Mathematics</li> </ul> <p><b><u>INQUIRY</u> =R.A.T</b></p>	<p style="text-align: center;">Writing &amp; Reading moderation/ analysis</p> <p style="text-align: center;"><b><u>JULY-SINE-MATHS</u></b> Written test</p> <p style="text-align: center;"><b><u>INQUIRY</u> =R.A.T</b></p>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• S.A Spelling Test</li> <li>• Probe- fiction and non-fiction</li> </ul> <p style="text-align: center;">Writing &amp; Reading analysis / moderation</p> <p><b><u>OCTOBER</u></b></p> <ul style="list-style-type: none"> <li>• On Demand Testing- <b><u>adaptive</u></b> Reading &amp; Mathematics</li> </ul> <p><b><u>INQUIRY</u> =R.A.T</b></p>

<b>GRADE SIX</b>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• S.A Spelling Test</li> <li>• Probe- - Written fiction and non-fiction</li> </ul> <p>(administer oral test for students “at risk”)</p> <ul style="list-style-type: none"> <li>• Writing sample /analysis</li> </ul> <p><b><u>SINE-MATHS</u></b> Written paper test</p> <p><b><u>INQUIRY</u></b> =R.A.T</p>	<p>Writing &amp; Reading moderation/ analysis</p> <p><b><u>MARCH-</u></b></p> <ul style="list-style-type: none"> <li>• On Demand Testing- <b><u>adaptive</u></b> Reading &amp; Mathematics</li> </ul> <p><b><u>INQUIRY</u></b> =R.A.T</p>	<p>Writing &amp; Reading moderation/ analysis</p> <p><b><u>JULY-SINE-MATHS</u></b> Written test</p> <p><b><u>INQUIRY</u></b> =R.A.T</p>	<ul style="list-style-type: none"> <li>• Burt Word Test</li> <li>• Peter’s Dictation</li> <li>• S.A Spelling Test</li> </ul> <p>Writing &amp; Reading analysis/ moderation</p> <p><b><u>OCTOBER</u></b></p> <ul style="list-style-type: none"> <li>• On Demand Testing- <b><u>adaptive</u></b> Reading &amp; Mathematics</li> </ul> <p><b><u>INQUIRY</u></b> =R.A.T</p>
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- On Demand Linear tests to be completed in consultation with leader

Revised M.Foley-Smith. Dec. 2011