

**Holy Family Primary School
GOWRIE**



Mathletics

Years 3 -6

Agreed Practice



Mathletics Agreed Practice

Related Policies:

Nil

Agreed Practice

What is Mathletics?

Mathletics is online software package that supports the Australian Curriculum Mathematics.

Access to Mathletics is subscription based. It offers students the chance to practice mathematical concepts covered in the classroom through teacher selected sets of activities. It also provides an opportunity for students to compete against their peers in “Live” sessions designed to encourage the fast recall of number concepts.

Through subscription to Mathletics all students in Years 3,4,5 and 6 have access to the site. This subscription also allows students to access the Mathletics iPad app.

Why use Mathletics?

Students:

- are sufficiently challenged without frustration;
- are motivated;
- are encouraged;
- develop positive attitudes towards Mathematics;
- are rewarded for their efforts and achievements; and
- in Year 3-6 have access at both school and home through subscription.

Curriculum:

- is supported; and
- can be differentiated.

Mathematical concepts can be:

- revised;
- practiced;
- differentiated; and
- re-taught or pre-taught.

Teachers:

- can set different tasks for different students;

- can use the support videos to complement their delivery;
- easily access assessment data;
- track student progress; and
- allow or restrict student access to content depending on need.

Procedures

Participation in the Mathletics Program.

At Holy Family, all students in Year 3, 4, 5 and 6 have access to Mathletics via subscription. Once subscribed, Mathletics is accessed by individual students using their own randomly produced username and password. These login details are not to be shared.

These login details allow students to access all student areas of the website including Live Maths challenges. Subscription to Mathletics forms part of the school fees schedule paid by parents.

Australian Curriculum Mathematics:

The activities Mathletics produces are closely aligned with current Mathematics curriculums. Teachers are required to set their student's curriculum to Australian Curriculum (ACT) and then select to appropriate grade. The way the site is designed means that teachers can source materials from other Australian curriculums (e.g. NSW Board of Studies) for repetition of concepts or extension for some students if required.

Teachers are able to control which content their students can access according to the unit of study or other relevant student needs. If a teacher 'sets' some work for their students on Mathletics, the students cannot access any other part of the site before these set tasks are completed.

Assessment Data:

Mathletics offers teacher access to a range of assessment data produced through student participation on Mathletics. Teachers can access the results of all units students have accessed on the website. They can also produce graphs that highlight any areas of concern and/or areas needing extension. There is also a range of pre and post assessment student can complete, if set by the teacher of which all results are analysed by the website for teacher access. Teachers can also run whole class reports of work completed and there is a function that allows teachers to very quickly gauge which students have not completed set tasks or are not using any other functions offered by the program.

Adjusting the Curriculum:

Mathletics makes adjusting the curriculum for student needs easy. The teacher can set the level of difficulty for each student or groups of students by creating new classes and giving them access to different activities according to student needs. The website is set up so that students do not know which level they have been allocated by their teacher and the look of the site is consistent regardless of which level has been assigned.

Mathletics offers tutorial videos for students to watch. These videos work through examples and revision of concepts. Each unit of work offers students the options to try something easier if they are finding the unit too difficult. It also offers students the option to try something harder to challenge themselves.

Mathletics Live:

One component of Mathletics is “Mathletics Live”. This component of the program allows students to practice their fluency of quick recall of simple number facts within a competitive environment. The idea behind Mathletics live is to offer students the chance to challenge themselves against other Mathletics users around the world who are working on a similar level to themselves. Some students enjoy the competitive atmosphere surrounding Mathletics Live and thrive on the chance to better their scores. Mathletics Live cannot be accessed by students until all tasks set by the teacher have been completed.

References

www.mathletics.com.au

Forms

Nil

Approved by:	Holy Family School Board
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School Contact Officer:	Anne-Marie Marek