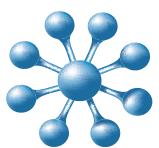




MathsWiz & EnglishWiz

**A.P.L.U.S.**  
INCENTIVES



**KINETIC** Education®  
MATHS AND ENGLISH WIZ



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## INTRODUCTION

Dear Parent/s,

Welcome to Maths Wiz and English Wiz,

We would like to congratulate you in enrolling your children in the Maths Wiz and English Wiz APLUS Incentives Program.

We first developed some activities to help our eldest son, who was struggling with his spelling and Times Tables, over 20 years ago. We were amazed by the transformation in his self-belief and confidence. For the first time, he started to enjoy learning and you can just imagine how rewarding this was for us, as parents.

This inspired us to explore how to help more children. We wanted to create programs that would help students, of all abilities, to find learning engaging and easier. This fell within our area of interest and expertise, as a teacher and a programmer.

The joy of helping thousands of young Australians and students across 5 different countries is just as rewarding as seeing our own children excel in their schooling and careers.

Of course, we could not have done all this by ourselves. It has been achieved through many years of effort, with the collaboration of very dedicated teachers, lecturers, examiners, tutors, computer programmers and graphic artists. This combined with our tutor support services ensure your children have access to a comprehensive tutoring package.

We firmly believe everyone needs extra help to achieve their full potential. We look forward to working with you and your family and hope that you too, can have the joy of seeing your children achieving success and self-confidence in their studies.

Yours in education,



Mary Sanghvi



Bharat Sanghvi

## HELPLINES

### Technical Support/Tutor Helpdesk

#### **1800 622 657**

Call for technical support with Maths Wiz and English Wiz.

Office Hours (9:00am - 5:00pm)

### APLUS Incentives Maths Helpline



#### **1300 550 141**

Call our tutors for help on Maths Wiz or help with Maths homework.

WA: Monday to Thursday 3:00pm to 6:00pm

All other states: Monday to Thursday 5:00 to 7:30pm

### Parent Helpline



#### **1800 622 657**

Parents can call our friendly tutors to discuss their child's needs and weekly reports.

Office Hours (9:00am - 5:00pm)

### Email Support



Students are able to email our tutors for help in their enrolled subjects.

**maths@m-bytes.com**

**english@m-bytes.com**

Allow 2 working days for a reply.

To make sure the tutor can reply properly, please include these details in your email:

- Your full name
- Your email address so the tutor can reply to you
- Your telephone number
- Your school year



*"Anytime if you need help, just call up. Everyone is really friendly and really helpful."*

**- Sherry Wang, achieved a Tertiary Entrance Score of 99.1**





## OUR EDUCATIONAL PHILOSOPHY AND PROGRAMS

Learning is just like building a brick wall; you build one layer at a time. With the right support, practise and guidance, we are all capable of learning a sport, a musical instrument or even school subjects such as Maths and English. Unfortunately, most children do not get the individual support they need, and develop "knowledge gaps" causing learning to become harder and harder as they go through school. Think about it, if you cannot multiply, how can you learn fractions, and if you do not understand fractions, what chance do you have of understanding algebra?

Most teachers and tutors are time poor, so they will focus on what the student is doing in school today. This creates a false sense of understanding. When the tutor is by their side, the student believes they have mastered the lesson, but when the tutor leaves, they are still often stuck and frustrated. Why is this? Because the student does not have the right foundations to truly understand the concepts being taught.

A good tutor will identify any knowledge gaps and fix them, so the student has a strong enough foundation to learn and understand the topic being taught in school today. This is the basic principle behind the Maths Wiz and English Wiz APLUS Incentives program. We assess every student, personalise their learning experience and make sure they learn one brick at a time, just like building a brick wall.

Our interactive teaching, testing and revision programs cater to all learning styles and abilities. The programs support exactly what is being taught in school, while providing instant feedback for each question. Everything is fully explained - every lesson and every question. This is vital as, without support for every question, children can learn incorrectly and develop bad habits which significantly increase learning time.



*"Concepts that normally take up to 2 weeks in the classroom to teach, children can learn in 20 mins when using Maths Wiz."*  
**- George Moran, School Principal**

Learning Maths and English does not need to be so hard, and when combined with our tutor supports, there is no reason why any student cannot reach their potential. It is just like having a tutor 24 hours a day.

## BENEFITS TO ADVANCED STUDENTS

These students have the confidence to maximise the true power of the program and learn much faster with instant feedback. Maths Wiz supports the entire curriculum and helps students to see the ‘whole picture’ and know exactly what they have to learn. Using the program, students can fit their learning around their other activities, such as playing sports, music, studying other subjects or socialising with friends.

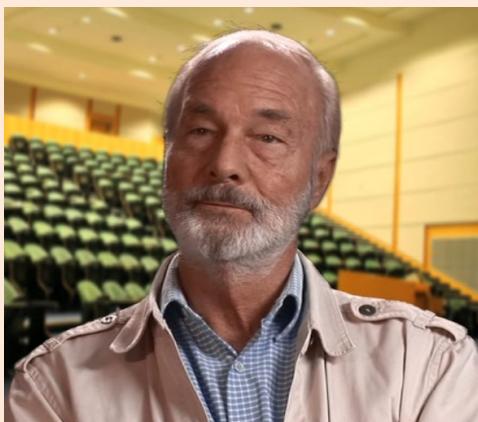


**Sherry Wang, Law Student.**

*“The software is a great help. I would recommend it to anyone who wants to go to university - you need every advantage to go up there. Definitely Kinetic Education gives you that advantage, gives you information. It built up a lot of confidence in me. The tutors were really friendly, really helpful, great people, definitely a lot of support. Every single mark is really important – really big. In the end, I got a score of 99.1. I actually got DUX of my school as well, which was really good.”*

## BENEFITS TO INTERMEDIATE STUDENTS

These are the students who are doing ‘OK’ without extra help, which means that they have the capacity to do so much better. They have already shown their ability to succeed academically but, in this day and age, just being average is not enough. Maths Wiz and English Wiz will help them understand the things they didn’t understand in school, and give them the confidence to go for the career of their dreams.



**Dr Peter Shephard, Ph. D, D.Lit.**

**Leading Authority on the Psychology of Learning:**  
*“With Kinetic Education, the computer asks you and doesn’t judge you. If you get it wrong, you just simply go back, learn a bit more progressively. So, it’s a very safe way of learning and yet it’s fun at the same time, it’s interactive.”*

## BENEFITS TO STUDENTS NEEDING INTERVENTION

Struggling students cannot understand what is being taught in class because their foundations are too weak. These students develop low self-esteem and can lose interest in learning - because it seems impossible to them.

Our personalised lesson plans identify the student's knowledge gaps and take them through the lessons they need to do, in order to catch up. As their understanding and confidence improves, they will soon be ready to attempt what is being taught in school today. This is a most exciting transition.



**Dr Janet Hall, B.A. (Hons), Dip. Ed (Psych), M.Ed., Ph. D.**

**Clinical and Counselling Psychologist:**

*"A lot of children start off school just as smart as any other - but for some reason they're readiness isn't available for them to learn something, and then they never get to catch up. They're always feeling that they're not good enough. They're always feeling that the other kids are smarter than them and they need some special help. ...Each child who can interact with this program will get it for himself: It's unique, individualised, special - and it works."*



# A.P.L.U.S.

- 1 ASSESSMENT**  
Identifies student ability level and knowledge gaps across the curriculum. Conducted via Maths Doctor or by our trained educational consultants.
- 2 PERSONALISED LESSON PLAN**  
Is based on the results of the Assessment and supports what's being taught in school.
- 3 LESSONS, GAMES AND TESTS**  
Maths Wiz and English Wiz provide instant feedback just like a real tutor.
- 4 UPDATED WEEKLY LESSON PLANS AND REPORTS**  
Based on previous week's learning and tests results – students always know what to do next!
- 5 SUPPORT FROM REAL TUTORS**  
Need assistance with homework or on the program? We are here to help.

## INCENTIVES



Earn reward points



Spend points and purchase items



Leader boards



Enter competitions to win prizes



Other great prizes

The Maths Wiz and English Wiz APLUS Incentives program makes learning fun and personalised to ensure that children can reach their full potential.

At the beginning of every week, each student is provided with a personalised lesson plan in Maths Wiz and English Wiz based on their identified knowledge gaps and weekly progress. Students have fun, learning from the interactive lessons and educational games supporting the School Curriculum. Regular testing is undertaken to ensure that they have grasped all the topics being taught.

To increase student motivation and make learning even more enjoyable, children earn points when completing lessons, games and tests. Children are able to spend their points to enter competitions to win fantastic prizes, purchase items and other great incentives.

Parents are provided with weekly reports so that they too can monitor their child's progress. Tutor Helplines are available to ensure that children are never stuck on the program or with their homework.

**With the Maths Wiz and English Wiz APLUS incentives program, parents can be confident that their child is on a learning program to support their individual needs.**



## MATHS WIZ K-12

Maths Wiz is a “teaching, testing and revision program” supporting the school curriculum. It utilises the power of the computer to engage children, making learning interactive and fun. It’s like a one-to-one tutor, giving the child much needed feedback and direction every step of the way. If a question is answered wrong, they know immediately, but most importantly, the computer will show them how to answer the question correctly – this is a most effective way of learning.

Lesson = Half Past Question 3 of 12

What is the time?

A digital clock showing 7:30. Below the clock are two cartoon children, a girl on the left and a boy on the right, looking at it. There is a blue button labeled "click for AUDIO".

<input type="radio"/> A	8 o'clock
<input type="radio"/> B	half-past seven
<input type="radio"/> C	half-past six

Buttons at the bottom: Check, Previous, Next, Solution, Answers, Help.

Lesson : Stationary Points Page 1 of 1

Stationary Points

The graph of  $y = (x-1)^2(x+1)^2(x-3)^2 + 2$  looks like this:

A graph of a function with three distinct stationary points. The curve has a local maximum at approximately (1.5, 2.5), a local minimum at approximately (-1.5, 0.5), and another local minimum at approximately (3, 0). Arrows point to each point with labels: "inflection point" (at x=1), "maximum point" (at x=1.5), and "minimum point" (at x=3).

If  $\frac{dy}{dx} = 0$ , at any point on the curve, then the gradient of the tangent to the curve at that point is zero; i.e. the tangent at that point is parallel to the x axis. Such a point is known as a stationary point.

A stationary point can be a maximum point, a minimum point or a point of horizontal inflection.

A stationary point, which is not a horizontal inflection point is called a turning point.

Buttons at the bottom: Check, Previous, Next, Solution, Answers, Help.

- Multisensory learning - combines seeing, listening and doing.
- Used in schools for advanced, intermediate and intervention students.
- Supports school curriculum.
- Interactive tutorials for every lesson
- Step by step interactive solutions.
- Instant feedback for every question
- Recorded sound for beginner readers.
- Includes interactive games, lessons and tests

### **Maths Wiz: Junior Primary**

Give your child a flying start with this fun to use program.

- ✓ Combines reading, listening, learning and playing
- ✓ Recorded voices for beginner readers
- ✓ Interactive questions with every lesson
- ✓ Makes maths easy and fun

### **Maths Wiz: Upper Primary**

So many children fall behind in primary and never catch up. Don't let this happen to your child!

- ✓ Watch your child gain confidence and self-esteem
- ✓ Look and listen – animations and commentaries
- ✓ Number, space, measurement and chance
- ✓ Maths games – beat the clock and meet the challenge
- ✓ Ongoing assessment, so you can see your child improve

### **Maths Wiz: Secondary Maths**

Learning maths is like building a brick wall with building bricks of knowledge. If some of these bricks are left out, the wall will crumble and the student may lose confidence and start guessing. Maths Wiz helps build a strong foundation with no knowledge gaps.

- ✓ Never get stuck – every question is fully explained
- ✓ A very structured course, supporting the curriculum
- ✓ Work at your own pace
- ✓ Keeps track of your strengths and weaknesses

### **Maths Wiz: Senior Maths**

Most people think that maths is a tough subject. But maths can be fun and you can be sure of top marks if you do it correctly.

- ✓ Improve your maths and your career options
- ✓ Structured with interactive help
- ✓ Thousands of worked solutions to prepare you for exams
- ✓ Keeps track of your revision needs
- ✓ Helps see the whole picture – you know exactly what you need to learn

## ENGLISH WIZ K-12

English Wiz is fun and engaging, and uses teaching methods which are educationally well established and sound to cover all the language skills: phonics, spelling, grammar, punctuation, comprehension, vocabulary, creative writing, literature and poetry analysis. All tutorials have recorded commentaries, to give understanding and make learning more enjoyable. Fun, interactive and effective!

The screenshots illustrate various features of the English Wiz K-12 software:

- Food for Thought:** A cartoon scene of children playing near a school bus and a building. Text: "The writer believes this issue is confined to North Park Primary School." Buttons: "True" (radio button), "False" (radio button). Bottom buttons: BACK, PRINCIPLE, CLUE, SOLUTION, TUTORIALS, OK.
- Holidays:** A cartoon of a family at Uluru. Text: "Dear Kristen, Wow - I cannot believe it has been six days since I last saw you! Time flies by when you are having so much fun! This family is leaving an airport after a long flight. They are very tired. When we arrived, we had no energy after the long flight, so we all soaked up the summer sun by the pool and enjoyed some cool drinks." Buttons: BACK, PREVIOUS, NEXT PAGE.
- Mixed tenses:** A cartoon boy sitting on the floor with question marks above his head. Text: "I think I \_\_\_\_\_ it but I cannot find it. Maybe I did not \_\_\_\_\_ it, after all. I do hope someone else has \_\_\_\_\_ one." A "Drag and Drop" box contains: brought, brings, bring. Bottom buttons: BACK, PRINCIPLE, CLUE, SOLUTION, TUTORIALS, OK.
- Cruise Poster:** A collage of colorful transportation icons: a boat, a plane, a car, and a train. Text: "Which mode of transportation do you generally associate with a cruise?" A "Drag and Drop" box contains: Ship, Car, Train, Plane. Bottom buttons: BACK, PRINCIPLE, CLUE, SOLUTION, TUTORIALS, OK.

- Multisensory learning - combines seeing, listening and doing.
- Interactive tutorials for every lesson.
- Instant feedback for every question.
- Includes text and passages from world renowned children's author Penny Dolan.
- Comprehension passages.
- Text analysis
- Creative writing
- Poetry
- Grammar
- Includes interactive games, lessons and tests.
- Suitable for all students.

### **English Wiz 1:**

These activities are early steps in gaining "phonemic awareness" – relating speech to the written word.

- ✓ Beginner reading for the crucial early years of school
- ✓ Combines reading, listening, learning and playing
- ✓ Phonics activities for reading and spelling
- ✓ The alphabet

### **English Wiz 2:**

Young readers can learn gradually, at their own pace, through practice and exploration of the ideas introduced in the lessons.

- ✓ Spelling
- ✓ Vocabulary
- ✓ Sentence Building
- ✓ Phonics
- ✓ Grammar
- ✓ Reading and Comprehension

### **English Wiz 3:**

English Wiz 3 helps Secondary School students improve their grammar, spell correctly, use proper punctuation and write more interesting sentences.

All tutorials have voice-overs to improve understanding and make learning more enjoyable.

- ✓ Comprehension
- ✓ Spelling
- ✓ Grammar
- ✓ Creative Writing
- ✓ Punctuation

### **English Wiz 4:**

The emphasis is on achieving a high standard in writing and comprehension skills.

- ✓ Comprehension
- ✓ Dictated Spelling Tests
- ✓ Classic Literature
- ✓ Poetry Analysis
- ✓ Text Analysis
- ✓ Grammar



## TIPS FOR USING MATHS WIZ

- Warm up with the educational games, to get in the zone.
- Go into “My Study Room” and do your Set Activities for the week.
- Don’t rush! Think. Check your answer before you click “OK”.
- To help your understanding, we have used animations and recordings in the Primary School lessons and exercises. In early Primary, even the questions are recorded – to assist beginner readers. So look and listen!
- If you are stuck, click on the Tutorial or the Solution button. Never guess! You might as well be asleep if you are guessing.
- Write out your workings in an exercise book. This is good practise for homework.
- If you get an answer wrong, check out the right answer so that you do better on the next question.
- Every question is a mini-lesson! If you don’t know how to do the workings, check out the solution. That’s why we wrote them, to help you learn. Learning from the solutions will help you become a Wiz at maths!
- If you are really stuck, don’t hesitate to phone or email our friendly tutors.
- So just go for it – you can do it!

## TIPS FOR USING ENGLISH WIZ

- Take up the challenge – inspiring and fun!
- Listen and Learn! The tutorials are really important and you should listen to them too. Do not jump into the questions without reading the tutorial. The questions are examples of what was taught in the tutorial, and help you to understand the tutorial better.
- English Wiz is fun to do and you can learn very quickly, because the computer corrects you immediately.
- Easy drag-and-drop or typing on screen – so you see as it would be written – helping your visual memory.
- It’s a good idea to do some writing too. For example, you can copy out the spelling lists on paper. This will help you to remember. Or you can copy out your answers and even write down some ideas of your own!
- Have a go at the Hangman games. There are one thousand words in the Secondary School Hangman. It’s great for learning “blends” and doing crossword puzzles. But don’t guess – use your spelling skills!



## PREPARING FOR NAPLAN

Students on the Maths Wiz and English Wiz APLUS Incentive program are better prepared for NAPLAN ("National Assessment Plan for Literacy and Numeracy") than other students. In May each year, students in years 3, 5, 7 and 9 sit NAPLAN, an assessment of the work they should have completed by the end of the previous year.

The NAPLAN test is always controversial because teachers claim that it is too hard to bring the children up to standard on the whole curriculum and unfair to compare the results of schools. It has been the cause of much debate and heartache. Using Maths Wiz and English Wiz will give your child the competitive edge.

Our Maths Doctor Assessments cover multiple years of the curriculum and provide instant reports that we use for teaching purposes. Our weekly lesson plans ensure students learn the whole curriculum, even if they have missed or not covered a topic in school. The lesson plans incorporate revision so children can remember the topics when doing NAPLAN. Furthermore, our NAPLAN tests located in the programs give children extra confidence to sit NAPLAN. When students are completing the weekly lesson plan and work they are learning in school, this provides the best preparation for NAPLAN.

If you would like to know how your child can better prepare for NAPLAN, please do not hesitate to contact our tutor team.

The image shows two screenshots of the KinetiC Education software. The left screenshot displays a navigation menu with sections for LEVEL (Maths Wiz: Level 1, 2, 3, 4), UNIT (Primary School Achievement Tests, Prepare for NAPLAN, Drill and Practice, Solving Worded Problems), and ACTIVITY (Year 5 Tests, Year 6.7 Tests, Year 7 Numeracy Tests (non-calculator), Year 7 Numeracy Tests (calculator)). Below these are helpful tips and a cartoon character. The right screenshot shows a specific page titled 'Estimating Products' with text explaining the concept, an example with a blue monster, and a multiplication problem  $2 \times 89 = ?$ . It also includes a sidebar with navigation links.



## MATHS DOCTOR

Maths Doctor is an Online Diagnostic Tool that pinpoints exactly what your children know and do not know, in just 45mins.

Maths Doctor uses Artificial Intelligence which adjusts the difficulty of the assessment. This unique feature allows the assessment to go back and forward through the curriculum to identify any knowledge gaps across 4 years of the curriculum.

- ✓ Designed for children at any level from Foundation (Kinder) to Year 10.
- ✓ Pinpoints the strengths and weaknesses in all strands of the curriculum.
- ✓ Assesses multiple grade levels including the current grade and 3 grades previous.
- ✓ Used by schools and teachers.
- ✓ Creates a Personalised Lesson Plan in Maths Wiz for each student.

## Understanding the Maths Doctor Reports

### Report 1: Brick wall of learning

The brick wall of learning report provides a quick visual of a student's understanding level of the 4 year levels assessed by Maths Doctor. The brown bricks represent the percentage of topics (not questions) correctly understood by the student when completing Maths Doctor. The red bricks highlight the percentage of topics not understood.

The brick wall has been used to depict this report keeping in line with our teaching philosophy. Notice how the number of red bricks typically becomes larger as the student progresses through the assessment. By addressing the red bricks identified in the earlier years of learning (the knowledge gaps or missing foundations), the student is better prepared to learn the topics the following year and year after.

The screenshot shows the Maths Doctor Online Assessment interface. At the top, there is a cartoon doctor character with a stethoscope, a keyboard, and the text: ".don't be in the dark when it comes to your child's maths". Below this, the Maths Doctor logo and "ONLINE ASSESSMENT" text are visible. The main area is titled "REPORT 1 - BRICK WALL OF LEARNING". It contains a ruler graphic on the left and the following text:

Did you know that learning Mathematics is like building a brick wall? Each year level builds on the next, just like putting bricks in a wall. Any gaps in the wall will cause it to crumble. The graph below is a visual display of Mallory's Mathematics Wall and shows the knowledge gaps.

Grade 8      Grade 7      Grade 6      Grade 5

10%    20%    30%    40%    50%    60%    70%    80%    90%    100%

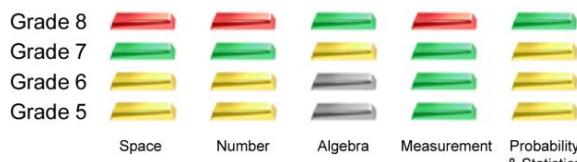
Legend:

- Brown brick: The brown bricks in each row show what percentage of the curriculum has been achieved for each year level.
- Red brick: The red bricks in each row show the knowledge gaps for each year.

## Report 2: Areas of study

Breaks down the brick wall of learning report into areas of study: Space; Number; Algebra; Measurement; and Probability and Statistics. This report is very useful to teachers and tutors so that they can quickly view the areas of study the child needs to focus on.

### REPORT 2 - AREAS OF STUDY



Matthew was tested in the above areas of study.

- Yellow Represents a solid understanding for that year level
- Green Shows that knowledge gaps exist in that year level
- Red Shows no achievement in that year level
- Grey Shows that the area of study does not extend to this year level

## Report 3: Topic gaps

Lists by year level all the topics identified by Maths Doctor as requiring extra attention. Using this list, teachers and tutors are able to more quickly focus on the learning needs of the child. In Maths Wiz, we have linked lessons and activities to the outcomes (topics) assessed by Maths Doctor. This is the basis of our very powerful lesson plans.

### MICHELLE'S RESULTS INDICATE THAT:

(80% - 100%) Michelle has achieved a commendable knowledge of all topics in Years 4, 5.

(0% - 65%) Results indicate that Michelle has serious knowledge gaps in Years 6, 7.

Maths Doctor has diagnosed the following gaps in Michelle's wall of knowledge:

Year - 4: - Mental addition of money  
- Adding money (with carrying)  
- Subtracting money (with trading)  
- Understanding transport timetables  
- Timings in seconds

Year - 5: - Symmetry  
- Polygons  
- Corners, sides and edges  
- Addition problems  
- Worded addition problems  
- Order of operations  
- Subtracting to 10,000 - harder numbers

Year - 6: - Similarity  
- Congruence  
- Angles in a triangle  
- Subtracting larger numbers  
- Dividing fractions  
- Change percent to decimals



MATHS DOCTOR  
ONLINE ASSESSMENT

Page 2

### Year - 6 ... Continued:

- Area formulas
- Surface area
- Perimeter
- Volume
- Earning money

### Year - 7:

- Similarity
- Geometrical Constructions
- X-intercept
- Coordinates on the Cartesian Plane
- Gradient of a line
- Subtracting -ve numbers
- Cubic roots
- Inequalities on the number line
- Constructing formulas
- Facts about metric units
- Area and perimeter of a circle
- Area of a trapezium
- Area of complex figures
- Volumes



MATHS DOCTOR  
ONLINE ASSESSMENT

Page 3

### Year - 7 ... Continued:

- Ratios
- Equivalent Ratios
- Distributive Law
- Collecting like terms
- Factorisation
- Algebra multiplication
- Algebra division
- Indices
- Simple linear equations
- 2-step linear equations
- Inequalities on the number line
- Constructing formulas
- Facts about metric units
- Area and perimeter of a circle
- Area of a trapezium
- Area of complex figures
- Volumes
- Angle sum in a triangle
- Angles in quadrilaterals
- Parallel lines
- Mode, Mean, Median and Range
- Histograms



MATHS DOCTOR  
ONLINE ASSESSMENT

Page 4

## When should students use Maths Doctor?

Typically, we recommend that students complete Maths Doctor once or twice a year. The first Maths Doctor Assessment is often used as a pre-test to identify a student's understanding of the curriculum so that we can create a personalised lesson plan for that student. When completing Maths Doctor for the second time (the post test), we are able to visually see just how much the student has improved. And although the Maths Wiz program is updating the lesson plan weekly, we also factor in the results of the most recent Maths Doctor Assessment when providing the student with their weekly lesson plan.

### Post Test Maths Doctor Report

The percentages shown in green indicate how much the student's understanding of the curriculum for each year level has improved when compared to their previous Maths Doctor Assessment.

..don't be in the dark when it comes to your child's maths

MATHS DOCT ONLINE ASSESSMENT

Student name: Matthew Date of completion: 03/06/2013

#### REPORT 1 - BRICK WALL OF LEARNING

Did you know that learning Mathematics is like building a brick wall? Each year level builds on the next, just like putting bricks in a wall. Any gaps in the wall will cause it to crumble. The graph below is a visual display of Matthew's Mathematics Wall and shows the knowledge gaps.

Comparison to last test 18/12/2012

Grade	Achievement (%)	Gaps (%)
Grade 8	78%	+26%
Grade 7	80%	+22%
Grade 6	85%	+35%
Grade 5	80%	+49%

The brown bricks in each row show what percentage of the curriculum has been achieved for each year level.  
The red bricks in each row show the knowledge gaps for each year.

#### REPORT 2 - AREAS OF STUDY

Grade	Space	Number	Algebra	Measurement	Probability & Statistics
Grade 8	Red	Green	Green	Red	Green
Grade 7	Green	Green	Yellow	Green	Red
Grade 6	Yellow	Yellow	Grey	Green	Yellow
Grade 5	Yellow	Yellow	Grey	Green	Yellow

Matthew was tested in the above areas of study.

Legend:

- Yellow bar: Represents a solid understanding for that year level
- Green bar: Shows that knowledge gaps exist in that year level
- Red bar: Shows no achievement in that year level
- Grey bar: Shows that the area of study does not extend to this year level





## PERSONALISED LESSON PLAN

Our Personalised Lesson Plans have changed the face of tutoring. At the end of each week, we assess each student's progress and provide them with a personalised lesson plan in Maths Wiz and English Wiz for the upcoming week. With our weekly lesson plans, your children are taken back to their understanding level and taken through the curriculum at their own pace. More importantly, children always know what lesson and activity to do next. And as everything is fully explained in Maths Wiz and English Wiz, children can learn with confidence.

### STEP 1: How is the Lesson Plan Created?

For the most accurate Maths lesson plan, students may be recommended to complete Maths Doctor. From the Maths Doctor Assessment, we are able to identify the lessons in the curriculum which need learning/revision. The lesson plan is made from:

- a. Knowledge gaps identified by Maths Doctor.
- b. All lessons for any year level where the student demonstrates a below accepted level of understanding for that year level.
- c. Key lessons/activities for revision identified by our tutor team for students which have not demonstrated a comprehensive enough understanding of a year level.
- d. All lessons and activities from the current year level, to give added practice and revision.



For English (and Maths where Maths Doctor has not been recommended or completed by the student), students are given a lesson plan in Maths Wiz and English Wiz based on an Assessment made by the Educational Consultant. To ensure the lesson plan is personalised to the individual student's needs: - intervention, intermediate and advance lesson plans are available.

**Intervention Lesson Plans:** are designed for students who are clearly struggling and have gaps as far back as 3 years.

**Intermediate Lesson Plans:** are designed for the majority of students. They are doing ok but are not in the top 3 in the class. The lesson plan will include key activities from one and two years below their current school year level. For children who have gaps as far back as 3 years or more, it is recommended that they are placed on the intervention lesson plan.

**Advanced Lesson Plans:** are designed for the top students only. The lesson plan includes key activities from the previous year and activities for their current year to build a strong foundation prior to advancing through the curriculum.

## STEP 2: How is the list of lessons converted to a Lesson Plan?

After we have identified all the activities to be included in the lesson plan and placed them in learning order, we are able to create the weekly lesson plan. Each activity in Maths Wiz and English Wiz has been timed, and using these timings, we are able to set the lesson plan for the week. For Maths, the standard setting is 1.5hrs for the week. The weekly lesson plan for English is set to 1 hr.

**MATHS WIZ WEEKLY LESSON PLAN**

Student : Edward Leow  
Week Ending : Sunday 16 June 2013  
Grade/Year : 8

**Important!** For best results, it is recommended that you also practice what you are doing in school today.

**Tip of the week:** Have fun at learning and play the games over and over.

Unit	Chapter	Activity
Fractions & Decimals	Warm-Ups	Division Challenge
	Fractions	Division and the 1 times table Converting Mixed to Improper Fractions Directed Numbers Taking away a Larger Number
Whole Numbers & Factors	Decimals	Prime and Composite Numbers Square Roots and Cube Roots Changing Decimals to Fractions
Decimals, Fractions & Percentages	Positive & Negative Numbers	Writing Percentages as Fractions Length in Decimals Random Testing Percentage Test Knowledge Test 7
	Factors, Multiples and Roots	
	Converting Fractions & Percentages	

For tutor assistance call **1300 550 141**  
[www.kineteducation.com.au](http://www.kineteducation.com.au)

**MATHS WIZ**

**Game** **Lesson** **Test**

Unit	Chapter	Activity
Measurement	Warm-Ups	Super Square
		Unit of Length: Revision Test Important Units
	Area	What is an Area Summary of Common Areas Area of a Circle Surface Area of a Solid
Geometry	Geometry in One Plane	Angles
		Pythagoras Theorems Parallel Line Theorems Angles of a Triangle Special Triangle

For tutor assistance call **1300 550 141**  
[www.kineteducation.com.au](http://www.kineteducation.com.au)

## STEP 3: How does the Weekly Lesson Plan work?

Our experienced tutors and teachers have a great understanding of the balance between learning new material and the need to practise and revise. The weekly lesson plans were created in close consultation with teachers in the classroom environment and from individual student trials. The lesson plan is basically a list of lessons identified to be taught to fix the student's brick wall and take them through the curriculum. The weekly lesson plans uses artificial intelligence to determine whether activities given for the previous week need to be kept in the lesson plan, moved down the lesson order for revision purposes or removed from the lesson plan altogether. When deciding what to do with an activity in Maths Wiz and English Wiz from the previous week, we evaluate the following:

- What was the level of understanding shown in the activity?
- Was the activity attempted by the student?
- If the activity was a test, did they answer any questions incorrectly? If yes, what are the corresponding lessons that need to be revisited?

**IMPORTANT:** If you have any questions or concerns regarding your child's weekly lesson plan, please contact our tutor team immediately. Our Tutors are able to review the lesson plan, and if required, make the appropriate changes to maximise the learning outcomes experienced by the child.

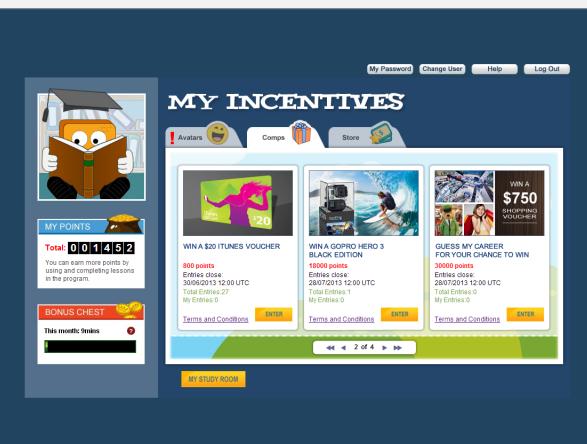
## INCENTIVES PROGRAM

Studies have shown that providing students with rewards and gifts when learning can have a profound impact on student motivation and achievement. This is a technique that many of our parents have successfully implemented with their own children when using our programs. So every child is incentivised, we have introduced our own incentives program. It is much like a frequent flyer program. As children learn using Maths Wiz and English Wiz, they earn points, and the more questions they answer correctly, the more points they earn. And as children are working at their own level on their personalised lesson plans, every child has the opportunity to earn the same points.

Children are able to spend their points to win fantastic prizes like shopping vouchers, iTunes vouchers, movie tickets and GoPro cameras. Alternatively, children can use their points to purchase movie tickets, make donations to charities, buy games and so much more. Our competitions and store are designed to appeal to children of all ages so that they want to learn more and more.

### STEP 1: Earning Points

- a. Students earn points with every activity they complete in the lesson Plan.
- b. Students DO NOT earn bonus points for speed. Students DO earn bonus points based on the number of stars/percentage they get.
- c. Bonus Points reduce the more and more they complete the same lesson.
- d. Students earn extra bonus points for completing their lesson plan for the week.
- e. Students can earn extra points for completing lessons manually – the amount of points is less than if completing in the lesson plan.
- f. Children can earn bonus points when the green bar of the Bonus Chest located in the My Study Room is full. The green bar shows how long they have been working in the programs for the month. When the treasure chest is unlocked, children select to open one of three treasure chests to receive bonus points.
- g. The number of points the student has earned is displayed in the MY POINTS table on the bottom left of the MY STUDY ROOM page.



## STEP 2: Redeeming Points

Student can redeem points by clicking on the “My Incentives” button located below the My Points Total. Students can use their points on the following:

- Avatars: a variety of avatars are available to purchase, and the student’s avatar appears in the top left corner of the My Study Room pages. This incentive is great for younger children.
- Comps: students are able to enter competitions to win great prizes like: GoPro video cameras, Skull Candy headphones, iTunes vouchers, movie tickets. Students are able to enter the competition as many times as they like to increase their chances of winning. A Grand competition (eg: \$750 shopping voucher) may be available to win. To enter the grand competition, you are required to guess the answer to a question (eg: Who am I? Guess my career?). The student is able to purchase clues (up to 6) to come up with the right answer to the question. One entry per student.
- Store: Students are able to purchase items from the store. Items include Little Chef game, movie tickets, iTunes vouchers, etc. Children are also able to make donations to chosen charities. At the end of each period (based on the expiry date), we will tally up all the donations and write a cheque to the chosen charity. Note with items in the store certain restrictions may apply (eg: one per person or restricted to the first 50 people only).





## SUPPORT FROM REAL TUTORS

When joining our APLUS Incentives program, parents and students have access to our tutor team. We have dedicated tutors for Maths, English and Sciences. The tutor team undergo extensive screening and training in:

- a. our educational philosophy;
- b. our programs;
- c. our lesson plans;
- d. explaining concepts over the phone;
- e. providing email supports; and
- f. discussing each student's progress with parents



### **Maths Supports**

Our eLearning programs and lesson plans provide children with the support and direction they need to work at their own pace throughout the curriculum. And when students also practise what they are learning in school today, children are able to pick up these topics and complete their homework much more easily.

Sometimes children will need extra help on the program or with their homework from school. If after attempting the lessons in the program children are still stuck, we encourage them to contact our friendly tutors on the Maths Helplines during the times specified with the APLUS Incentives membership. Important: Our tutors are trained to provide tutoring over the phone and give direction to appropriate activities in the program.

### **English Supports**

Additional support for essays and creative writing are provided by email. Children are encouraged to email their essays and assignments to our tutors. Our experienced tutors will provide you with pointers as to how to improve your writing. Important: Our tutors are trained to give guidance only and do not complete homework for children.

### **Parent Helpline**

Parents are encouraged to contact our tutors to discuss their child's progress at any time. If, at any stage, you are concerned regarding your child's lesson plan and/or progress, it is highly recommend you contact our tutor team immediately. They are able to review your child's progress and, if necessary, make changes to the lesson plan and give suggestions as to how your child can get more from the programs.



## CASE STUDY - BLUE MOUNTAINS GRAMMAR SCHOOL

### BLUE MOUNTAINS GRAMMAR SCHOOL JUNIOR SCHOOL EVALUATION OF THE MATHS WIZ PROGRAM 2012

*Prepared by Nicole Birch*

(This report has been condensed for the purpose of this booklet)

#### Introduction

Blue Mountains Grammar School Junior School was invited to trial a new online mathematics program produced by Kinetic Education. The program involved two distinct online software packages. The first program was called Maths Doctor. This program evaluated students' strengths and weakness in Maths. The second program was called Maths Wiz. Once a student's strengths and weaknesses had been identified, the Maths Wiz program would develop an individual online study program to target his or her identified individual weaknesses.

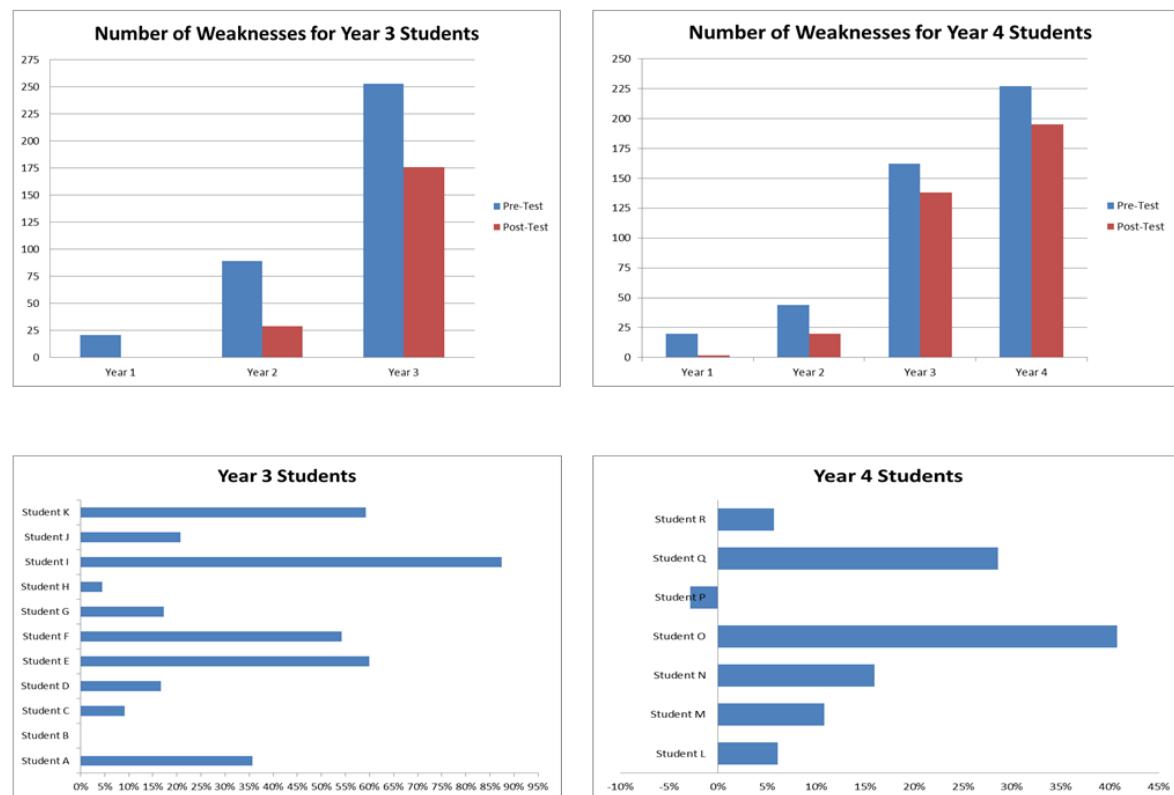
#### Background information

18 students in years 3 and 4 were selected to participate in the trial program. There were eleven year 3 students and seven year 4 students. The students were selected on the basis that their maths teachers believed that they would benefit from participating in the trial. Each of these students had middle to low ability levels in mathematics and were lacking in confidence in mathematics. All 18 students were granted permission by their parents to participate.....Students used the Maths Wiz program on Mondays and Fridays for a total of 2 hours per week.

## Post Test Information

All 18 students completed the post assessment task using Maths Doctor. It had two purposes. The first purpose was to measure individual student growth in their areas of weaknesses targeted by the Maths Wiz Program. The second was to see if there had been a growth in students' level of skill and knowledge in their current year level.

## Results



## Students' confidence levels in Mathematics

Students' initial confidence levels in mathematics were low. During the six week trial period, teachers noted that students' engagement and confidence levels steadily increased.

Classroom evidence included:

- 1) Completion of work at a faster pace with less student errors.
- 2) More students participating in class discussions.
- 3) Increased number of students responding to class questions.

## Student's engagement in Maths Wiz

Students were actively completing Maths Wiz activities. There was minimal teacher prompting to keep students on task or redirecting them to the set task. It was also noted that students focused on their tasks as opposed to trying to communicate with their peers.

Teachers noted an increased interest in using the Maths Wiz program outside of their scheduled sessions. An example of this is that students would ask teachers in their maths lessons if they were going to use the Maths Wiz program on that day.

## **Conclusion**

This trial looked at the following targeted areas:

- Was there a decrease in the areas of weakness from previous years?
- Was there an increase in understanding of students' current year level outcomes?
- Did the students' confidence levels in Mathematics increase?
- Were the students engaged with the Maths Wiz program?

### ***Was there a decrease in the areas of weakness from previous years?***

At the beginning of the trial period, Year 3 had a total of 363 identified areas of weaknesses. Year 4 had a total of 453 areas of weaknesses that were identified. By the end of the trial program, Year 3 had 205 identified areas of weakness. This resulted in a 44% decrease in areas of weaknesses. Year 4 had 355 areas of weakness still to be consolidated. This resulted in a 22% decrease.

### ***Was there an increase in understanding of students' current year level outcomes?***

Year 3 students had a 33% increase in their skills and knowledge in year 3 mathematics. Year 4 students had a 15% increase in their skills and knowledge in year 4 mathematics.

### ***Did the students' confidence levels in Mathematics increase?***

Students' confidence levels in mathematics increased throughout the trial period.

### ***Were the students engaged with the Maths Wiz program?***

Students were actively engaged in the Maths Wiz program throughout the trial period. In conclusion the majority of year three and year four students enjoyed success using the Maths Wiz program. Statistics showed a measurable decrease in student weaknesses and a corresponding increase in students overall maths knowledge in their current year level. During the trial period students showed an increased confidence level in mathematics and actively participated in all Maths Wiz lessons.

**All of the targeted areas of this trial were met.**



## CASE STUDY – ST PETER'S PARISH PRIMARY SCHOOL

### ST PETER'S PARISH PRIMARY SCHOOL PUTTING MATHS LEARNING ON FAST-FORWARD

Wednesday 19 January 2011

Peter Hurst  
Year 4 Teacher / Maths Coordinator  
St Peter's Parish Primary School  
East Bentleigh Victoria

*I trialled the Kinetic Education "Maths Wiz" and "Maths Doctor" programs extensively in the second half of 2010 as I was looking for an efficient and effective way to identify individual needs and to bring a large number of students up to the expected level of numeracy achievement.*

In 2005, when I returned to teaching after working in the corporate sector and doing postgraduate studies, I was quite staggered to find that computers had not penetrated the classroom to the extent that I had expected. I remembered being quite amazed by the high level of engagement that I'd seen quite a few years earlier, so, I started looking for suitable programs to modernise the learning process.

Ideally, I was looking for a program that would guide children through the syllabus in a very engaging manner. Educational games and one off 'learning modules' have a place but I was looking for more than that. I was looking for a program(s) that could re-engineer the teaching and learning process and deliver so much more. I was looking for programs that had the potential to deliver highly significant levels of improvement.

I compiled a list of the criteria I considered to be essential:

1. Highly engaging.
2. Covers the whole curriculum (not just one small bit).
3. Automatically assesses the children's strengths and weaknesses.
4. Help the students to learn the things they didn't understand.
5. Provides reports that make a teacher's life easier, in the sense that it keeps tabs on what the child does and does not know.

Now my task was to: find it; research it; implement it. Along the way I looked at a variety of programs. I looked at “Eduss”, “Maths Made Easy”, “Target Maths”, and tested learning modules prior to their release by the “Curriculum Corporation”. Nothing that I found covered all five of the criteria set out above. That said, the search continued – there had to be something out there. Children need to be highly engaged and they need to have a structured program.

The Maths Doctor automatically produces an individualised learning plan for the child. The reports gave me a better insight into the children’s strengths and weaknesses. Each report identified the specific Year 1, Year 2, Year 3 and Year 4 weaknesses for each of these Year 4 children. Furthermore, these reports are instantly and automatically generated – a very significant time-saver.

Each child’s overall report was very visually presented – I could quickly see their level of achievement. In fact, knowledge gaps really hit you in the eye. This instils a sense of urgency. It makes you want to take action so that you can remedy the gap.



### **The study program**

1. A specific set of lessons (i.e. Maths Wiz lessons) was identified for each child. Given that the trial was short (approx 8 weeks), our aim was to tackle prior year weaknesses (Years 1, 2 & 3) before we tackled Year 4 weaknesses.
2. Students used the Maths Wiz tutorial for thirty minutes, twice a week for ten weeks: i.e. they completed extra maths on a weekly basis. Eight of the original 14 students took part in the learning program.
3. The teacher could access the online Maths Wiz program and review summary reports showing each child’s progress at any time.
4. At the end of the ten week period the children completed the Maths Doctor test for a second time. Note that the program automatically generates an individualised test from the database, so that they were not resitting the same test.

In the end, and for a variety of reasons, only 8 of the 14 Year 4 children completed the entire process i.e. the Maths Doctor pre-test, the twice weekly Maths Wiz tutorials and the Maths Doctor post-test.

### **The post test**

All the kids were quite happy to sit the Maths Doctor test again. Really, 15 weeks down the track to go down and do it again and have those weaknesses ironed out, would never have happened in the classroom, not to that extent and not to that number of children. The results of the Maths Doctor/Maths Wiz trial are as follows and they speak for themselves. 43 weaknesses were identified at the Year 1 & 2 level. After the 8 week tutorial period this was reduced to 11. Furthermore, 109 weaknesses were identified at the Year 3 level. This was reduced to 59.

The increase in confidence was quite remarkable. In fact, kids that had no confidence had started contributing in the classroom. They were particularly proud to show that they had grasped some concepts which the “smarter” kids were finding difficult! Symmetry was one such example.

As a result of the success of the pilot program, we are now putting 60 Year 3 to 6 students into a Maths Wiz program. We will be starting each student at a point where there is significant challenge, yet it is not too hard. (Zone of Proximal Development). The objective is to put them into a learning environment where they are comfortable.

Programs like Maths Wiz can make teaching exciting. They give teachers a glimpse of an efficient and effective future equipped with tools that can help to deliver much better results. I look forward to a future that delivers many more of these ‘smart’ programs’ i.e. programs that really understand the entirety of the teaching process.

## WHY USE KINETIC EDUCATION: MATHS WIZ AND ENGLISH WIZ?

What do students need?	Comparing Tutoring Solutions			
	Kinetic Education Maths Wiz and English Wiz	Private Tutoring	Tuition Centres	Generic Online Programs
To gain confidence and feel successful.	<ul style="list-style-type: none"> <li>An engaging program which makes learning easier and enjoyable.</li> <li>No embarrassment in front of the class.</li> </ul>	<ul style="list-style-type: none"> <li>Depends on the individual tutor – student relationship.</li> </ul>	<ul style="list-style-type: none"> <li>A classroom situation.</li> </ul>	<ul style="list-style-type: none"> <li>Most focus on testing without teaching.</li> </ul>
Diagnostic testing of the student's level of understanding of curriculum. Continual assessment of student progression.	<ul style="list-style-type: none"> <li>Every child is assessed before starting tuition.</li> <li>Maths Doctor provides an accurate and powerful indication of a student's understanding of multiple years of the curriculum.</li> <li>Students are tested 1-2 times per year with Maths Doctor.</li> </ul>	<ul style="list-style-type: none"> <li>Tutors usually focus on what the student is learning in school today.</li> <li>Risk of tutors not having required experience. (eg: University students providing cheap tuition)</li> </ul>	<ul style="list-style-type: none"> <li>Most tutor centres undertake testing.</li> </ul>	<ul style="list-style-type: none"> <li>Not normally provided.</li> </ul>
Personalised Lesson Plans based on diagnosed results. Weekly lesson plan updates based on progress.	<ul style="list-style-type: none"> <li>Assessment results place students on a personalised lesson plan.</li> <li>Weekly lesson plans adjust based on student progress.</li> </ul>	<ul style="list-style-type: none"> <li>Not usually.</li> <li>Due to costs of private tuition, time is limited and as a result, the tutor normally focusses on what the student is learning in school today.</li> </ul>	<ul style="list-style-type: none"> <li>Not usually.</li> </ul>	<ul style="list-style-type: none"> <li>Most other programs have limited coverage of the curriculum and students are left to decide what activities to do next.</li> <li>We are unaware of any other program which provides such personalised lesson plans.</li> </ul>
Help whenever needed, supporting the curriculum.	<ul style="list-style-type: none"> <li>Explanation for every lesson and question.</li> <li>Access to programs 24hr, 7 days a week for students.</li> <li>Designed to teach, revise and test the curriculum.</li> <li>Suitable for students of all grades and ability levels.</li> </ul>	<ul style="list-style-type: none"> <li>Support only provided during tuition hours.</li> <li>Limited hours (usually 1-2 hours per week) due to high hourly cost.</li> </ul>	<ul style="list-style-type: none"> <li>Normally students only have support when they are at the centre.</li> <li>A concern with tuition centres is tutor/student ratios and the individual attention each child receives.</li> <li>May not be to curriculum.</li> </ul>	<ul style="list-style-type: none"> <li>Many resources online are designed for testing and revision purposes only.</li> <li>Many are not designed to teach or support the curriculum.</li> </ul>
Maths tutoring over the phone.	<ul style="list-style-type: none"> <li>Students can call the tutors after school on Monday to Thursday.</li> </ul>	<ul style="list-style-type: none"> <li>Private Tutors are not usually available to take calls.</li> </ul>	<ul style="list-style-type: none"> <li>Not provided.</li> </ul>	<ul style="list-style-type: none"> <li>Not normally provided.</li> </ul>
English tutoring via email.	<ul style="list-style-type: none"> <li>Students can email essays to our professional tutors.</li> </ul>	<ul style="list-style-type: none"> <li>Not provided.</li> </ul>	<ul style="list-style-type: none"> <li>Not provided.</li> </ul>	<ul style="list-style-type: none"> <li>Not normally provided.</li> </ul>
Incentives for Primary Students.	<ul style="list-style-type: none"> <li>Avatars.</li> <li>Competitions to win prizes.</li> <li>Make donations.</li> <li>Purchase My Study Room items.</li> </ul>	<ul style="list-style-type: none"> <li>Not provided.</li> </ul>	<ul style="list-style-type: none"> <li>Not normally provided.</li> </ul>	<ul style="list-style-type: none"> <li>Usually in the form of avatars etc.</li> </ul>
Incentives for Secondary Students.	<ul style="list-style-type: none"> <li>Competitions to win prizes.</li> <li>Make donations.</li> <li>Purchase My Study Room items.</li> </ul>	<ul style="list-style-type: none"> <li>Not provided.</li> </ul>	<ul style="list-style-type: none"> <li>Not normally provided.</li> </ul>	<ul style="list-style-type: none"> <li>None that we are aware of.</li> </ul>

## FACTS ABOUT MATHS WIZ AND ENGLISH WIZ



Victoria University uses Maths Wiz to help its undergraduates learn how to teach maths in primary school.



Maths Wiz and English Wiz are used by families in Australia, UK, Canada, USA, Malaysia, New Zealand and India.



Maths Wiz and English Wiz includes over 30,000 questions, over 800 lessons, over 200 randomly generated tests and over 70 games.

### NAPLAN

Includes NAPLAN practice tests.



The current versions of Maths Wiz and English Wiz are a result of a combined effort of over 175 man-years, since starting development in 1989.



Maths Wiz and English Wiz support the curriculum for each State and the new National Curriculum.



Maths Wiz and English Wiz programs are in over 1,000 schools.



Written with Australian teachers and examiners for Australian kids.



Maths Doctor was developed with multiple tutors, teachers and programmers. It took two years and many design changes until the assessment met our objective to accurately identify knowledge gaps across multiple years of the curriculum in less than one hour.

## Did You Know?

- Children of all ages and education levels have benefited from using Maths Wiz and English Wiz.
- Parents of all professions have decided on Maths Wiz and English Wiz for their own children.
- Children that go on to finish high school and University are less likely to be unemployed than children that do not finish school.
- Children that go on to University will, on average, earn significantly more throughout their career than children who do not go to University.
- Increased marks at school result in more career options.
- Studies have shown that children learn best when combining seeing, hearing and doing. Maths Wiz and English Wiz combine all three to maximise learning.
- Each lesson and test selects from a pool of questions specifically set for that lesson or test.
- Being successful in school helps build self-esteem and confidence.



## FREQUENTLY ASKED QUESTIONS

### **Q) When do we receive the weekly lesson plan and weekly report?**

Between Sunday 10pm and Monday 6am you should receive your Lesson plan for the upcoming week and report for the previous week. The weekly lesson plan can also be located when logging into Maths Wiz and English Wiz under the child's name. These are also emailed to the email address you have provided our tutor team. If, for any reason, you have not received your email please:

1. Check your junk mail.
2. Call our tutor team.

### **Q) My child is finding the activities in the lesson plan too easy/difficult?**

If you have any concerns regarding the lesson plan, we encourage you to contact the tutor team immediately. Our tutor team will discuss the lesson plan with you and, if appropriate, can make changes to the lesson plan moving forward.

### **Q) How long should it take to complete the Weekly Lesson Plan?**

The time it takes to complete the Weekly Lesson Plan will vary between students. Students are encouraged to take their time when using the programs and work through the step by step solutions when provided. As a guide, the Lesson Plan for Maths is typically set for 1.5hrs per week. For English, the lesson Plan is set for 1hr per week.

**Q) What is the most effective way for my children to use the program?**

1. Consistency is the key. Typically, we recommend 30 mins x 3 times per week.
2. For children in Year 10 and below, it is recommended that they complete the weekly lesson plan and activities they are learning in school today.
3. For children in Years 11 and 12, it is recommended that they practise what they are learning in school today. If you are still having particular trouble with any lessons, call the tutor lines who may be able to set you additional precursor lessons to help you better prepare.
4. Take your time to read the tutorial and answer the questions. Read the principle and clue (if available).
5. Use a pen and paper to show any workings out. This is important practise for school tests/exams.
6. If a question is answered incorrectly or you are not sure how to answer the question look at the solution.
7. If you have any questions on how to help your children get more from the programs, call our parent help lines.

**Q) When should we complete the Maths Doctor Assessment?**

For the most accurate lesson plan, we recommend the student completes Maths Doctor before starting on the programs. Please note that a powerful lesson plan can still be devised for your child without completing Maths Doctor. In fact for lower primary students we may not recommend that they complete Maths Doctor. We then recommend that the student completes the Maths Doctor Assessment at the beginning of each school year.

**Q) My child has just completed the Maths Doctor Assessment but the Lesson Plan for the week has not changed, why?**

If you have already been placed on a lesson plan, your new lesson plan will appear at the beginning of the following week.

**Q) The lessons in the lesson plan are different from the topics listed in the Maths Doctor report. Why?**

Maths Doctor looks at the curriculum in a broad sense and identifies the different topics in the curriculum that need to be addressed. In Maths Wiz, we may have a number of lessons and activities designed to teach those topics. By completing the lesson plan, this should result in an improved understanding of the curriculum and Maths Doctor outcome.

**Q) What is the Parent Helpline for?**

The Parent Helpline is available to parents so that they can discuss anything about their child's progress on the program.

**Q) What happens if my children want to use it more than what is recommended?**

There may be some occasions when the child will benefit from using the programs more than 30mins x 3 times per week. For example, a child who is in Year 10 may need to conduct an intensive catch up program so that they are ready for Year 11 and 12. We recommend that parents call the Parent Helpline to discuss their children's education needs.

**Q) My child has finished their lesson plan for the week; I want them to do more work?**

For primary children, it is strongly recommended that when they complete their lesson plan for the week, they spend extra time practising the educational games. The educational games are very important as they are a fun way for children to reinforce and learn concepts, such as their timetables. The more they practise these concepts, the more natural and easy it will all come to them.

Secondary students need to also practise the topics they are learning in school today. If you are still concerned about the time spent on the lesson plan and your child's progress, it is recommended that you contact the tutor team immediately. Our tutor team will discuss the lesson plan with you and where appropriate, will make the necessary adjustments to the lesson plan.

**Q) How is the Weekly Lesson Plan Created?**

Essentially the weekly lesson plan is based on:

1. Maths Doctor or starting position determined by the Education Consultant.
2. Previous weeks results for lessons and tests.
3. The requirement for revision and practise. For more information regarding the lesson plan, please refer to the following section in this booklet: Personalised Lesson Plan on page 21.

**Q) My child has purchased an item from the Store. When will they receive it?**

Items purchased from the Store are sent within three weeks of the promotional period for the item ending.

**Q) My child has won a Competition. When will they receive the prize?**

Prize winners should receive their prize within three weeks of the competition draw date.

**Q) I want my child to practise what he is learning in school today. Can this be done?**

Yes they can, and it is recommended. Simply select the subjects tab when logged into "My Study Room" and select the subject. Once you have entered the subject, you are able to use the search facility to find the lesson you are learning in school today.

**Q) I have used the search facility but I can't seem to find a lesson?**

Some text books or teachers might use a different name for a lesson. In nearly all cases, you will find that the lesson is covered by the program. If you cannot find a lesson, we encourage you to call our tutor support lines and they will help you find the lesson. In the unlikely event that a Maths lesson is not covered, they will be able to provide you support over the phone.

**Q) My child says that the school teaches a topic differently to the program. Is this possible?**

Particular care has been taken to make sure that our lessons reflect the way the lesson is being taught in school. From time to time, it is possible that your school or teacher teaches a topic slightly different to the method shown within the programs. If your child is ever unsure or uncertain about a lesson, it is encouraged they call our tutors for assistance.



*Australian Principals Federation*

"It is not often we come across a program that we believe can have a huge impact on your NAPLAN testing and save teachers time in the process. The Maths Doctor program is available for students from kinder to year 10. This is a diagnostic tool that takes just 45mins to complete and instantly provides the teacher with detailed reports for each student. The system has artificial intelligence, which automatically designs an appropriate test (in response to the student's answers). So each student sits a personalised test, which automatically identifies achievement levels across the curriculum. This means that the whole class can sit one test, without feeling discouraged or having to re-sit at a lower level. It also means that the source of each knowledge gap is detected.

The detailed reports allow the teacher to more easily implement individualised learning programs to help lift NAPLAN testing and the Numeracy level for your school. In fact, the Maths Doctor program can generate a remediation program using "Maths Wiz". A recent study was conducted using Maths Doctor and Maths Wiz (both by Kinetic Education) on struggling grade 4 students. The results are impressive. The students sat a pre-test on Maths Doctor, and then used Maths Wiz as a remediation program. The post test showed a remarkable improvement in confidence and performance.

I am impressed by Kinetic Education's passion and commitment to providing educational solutions. Their Maths Doctor program gives an in-depth approach to lifting a student to the desired curriculum standard. I highly recommend that you contact Kinetic Education to find out more."



A handwritten signature in black ink that reads "Chris Cotching".

**Chris Cotching**  
President  
Australian Principals Federation

## TESTIMONIALS AND COMMENTS



*"The Kinetic Mathematics program shows a commitment to building children's confidence, and that is something the AAMT sees as very important to any student's progress."*

- Australian Association of Mathematics Teachers



*"I am most impressed that, using the Maths Wiz program, the students have successfully learnt difficult concepts without the 'hard work' which is generally associated with learning mathematics through conventional methods."*

- George Moran, School Principal



Ebony was a struggling grade 5 student until she enrolled in the Maths Wiz program. She had completely lost confidence.

*"Maths Wiz is really exciting, it never gets boring because you can follow what you're doing at school and sometimes you can even skip ahead a bit and so when you get to learning that at school you already know it. When I started using Kinetic Education, it was fantastic; I went from a C to a B minus, to a B plus, to an A"*

- Ebony Puopolo, struggled in primary school



Sherry achieved a "perfect score" from state school without private tuition.

*"I managed to attain not only a high ENTER score, but a deep feeling of satisfaction in that I had done my best and had gone beyond my limits. I am very thankful that I had Kinetic Education to help me in those important years."*

- Sherry Wang, achieved a Tertiary Entrance Score of 99.1



*"Olivia has been using Maths Wiz and English Wiz now for five months and she absolutely loves it. She is going to start grade one this year and is already doing grade three maths and reading grade two books. Not only has it improved her numeracy and literacy, it has grown her computer skills."*

- Richard Nancarrow, father of 6 year old Olivia