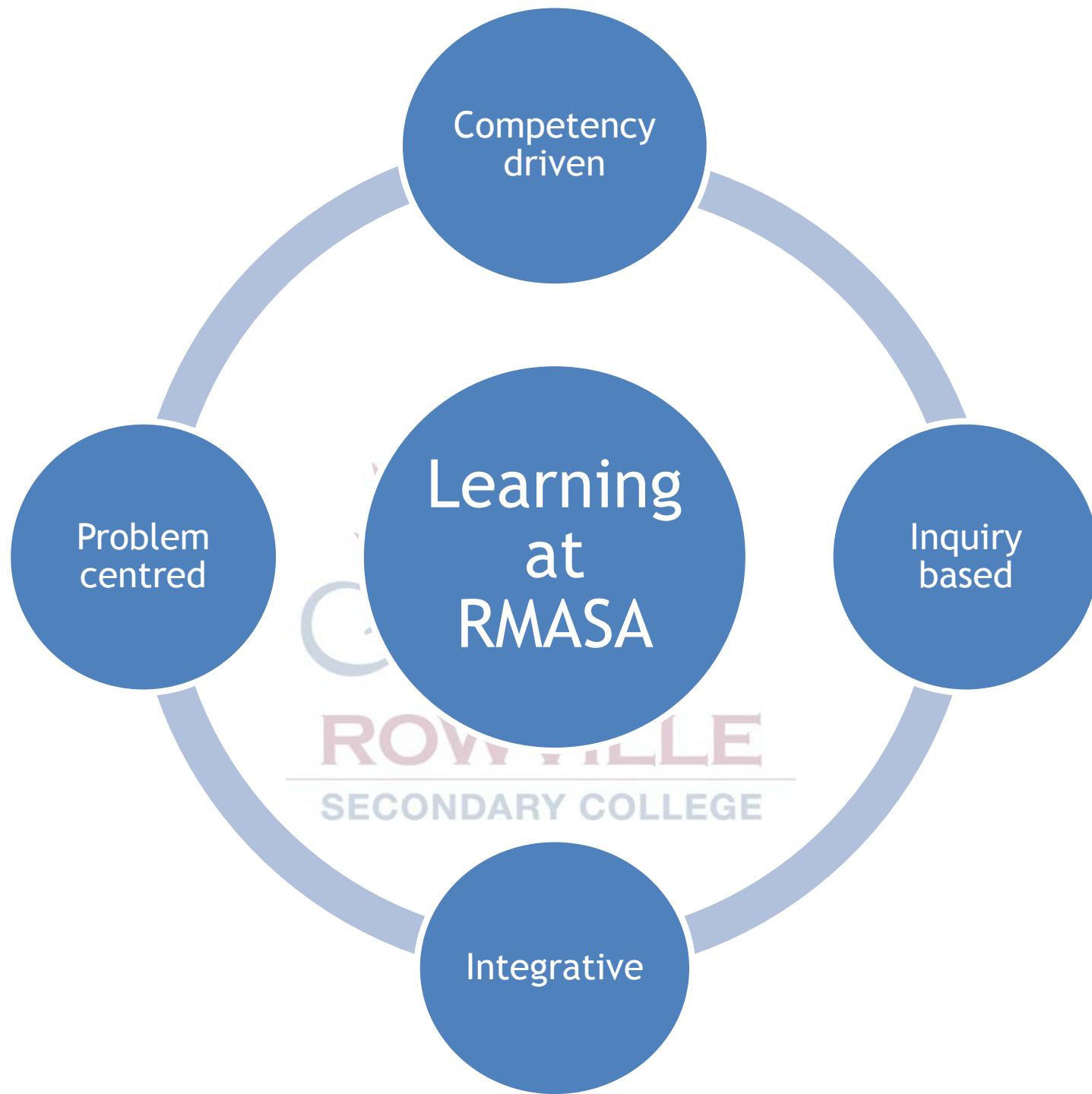


**ROWVILLE  
MATHEMATICS  
AND  
SCIENCE ACADEMY**

*"Excellence from the beginning"*



**ROWVILLE**  
SECONDARY COLLEGE



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# RMASA Program

- Designed to:
  - Inspire high quality learning, innovation, creativity and collaboration
  - Provide a rich environment in which knowledge crosses disciplines and has real world applications
  - Offer extensive laboratory experiences using the latest technologies and current computer-based software and hardware
  - Emphasise critical and high order thinking skills in all academy courses
  - Include participation in many academic competitions
  - Incorporate a variety of technology applications such as computers, software, scanners, digital cameras and other peripheral devices

# YEAR 7 CURRICULUM STRUCTURE

## Core subjects

periods/cycle

English

9

Enhanced Mathematics

9

Enhanced Science

6

Health and Physical Education

6

Humanities

6

LOTE (Indonesian)

6

The Arts

6

Mathematics Exploration & Design Day

6

Science Exploration & Design Day

6

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# YEAR 9 CURRICULUM STRUCTURE

## Core subjects

periods/cycle

English	9
Enhanced Mathematics	8
Enhanced Science	6
Health and Physical Education	4
Humanities	6
LOTE (Indonesian)	6
Mathematics <u>Exploration &amp; Design Day</u>	6
Science <u>Exploration &amp; Design Day</u>	6
<u>Elective</u>	9

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Mathematics and Science Exploration & Design may involve a selection of the following activities:

**Day activities:**

- Mathematics Trial (University of Melbourne)
- Science works Museum
- Scientific laboratory/industry
- Fieldwork/excursion
- Robotics semester based topic
- Designing computer games (*Game Maker 8*)
- Collaboration with Universities (*e.g. Monash University*)
- Mathematics/Science team Investigations
- Current mathematical and scientific issues (*e.g. Genetic engineering*)
- Past mathematical and scientific discoveries (*e.g. compound interest and banking*)
- Ethical issues in science (*e.g. Stem cell research*)
- Independent research project
- Integrated studies

## Competitions

- Australian Mathematics competition
- UNSW Science competition
- Rio Tinto Big Science Competition
- Mathematics Talent Quest
- Mathematics Olympiad - University of Melbourne
- Mathematics Games Day
- Solar Car Challenge

## Citizenship requirements:

- Lunchtime Mathematics and Science Club
- Homework Club tutors
- Discovery Day activities
- Primary school shows
- Primary school peer tutoring
- Mathematics game day facilitator (collaboration with Primary schools)



# YEAR 10



## Core subjects

English

9

Enhance Mathematics

9

Enhanced Science

6

Elective #1 LOTE

9

Elective #2

9

Unit 1/2 General Mathematics A

9

Unit 1/2 Biology

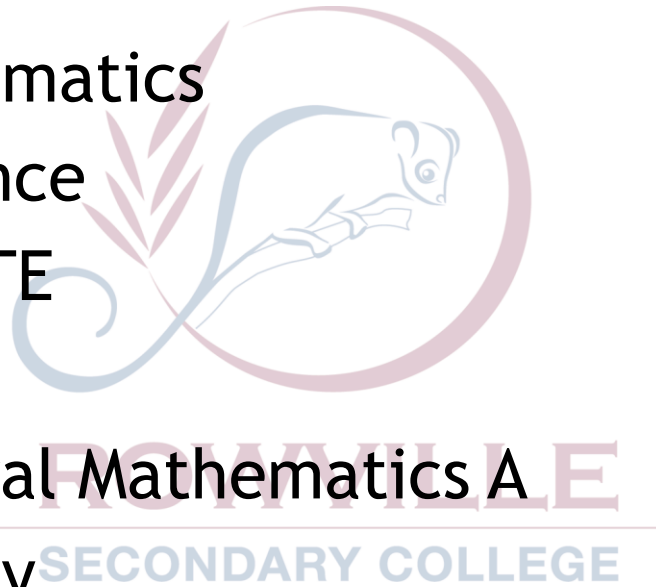
9

Total

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# SENIOR LEVELS

- At year 10 LOTE is not compulsory but encouraged
- If no LOTE -students choose two electives outside the academy
- The **focus** becomes acceleration into VCE
- maths science subjects in years Year 10 & year 11 and
- possibly first year university subjects in year 12.
- Choice of Biology or Psychology (Unit 1/2)

# PASTORAL CARE STRUCTURE

- At years 7-10 the Significant Teacher is the first point of contact for parents and students alike
- At year 7, a peer support program whereby year 10 students provide assistance, guidance and support to year 7 students, is offered
- All year levels are supported by their respective year level teams - Junior and Middle school as well as the student Welfare co-ordinator
- At years 11 & 12, the senior school team along with the Managed Individual Pathways Co-ordinator, provide assistance and career advice to students

# ENTRY INTO RMASA

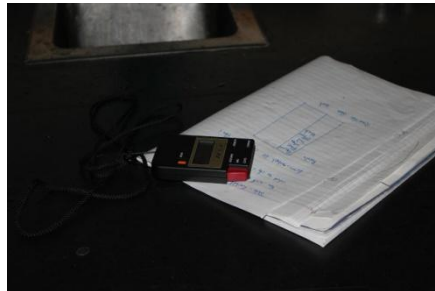
## The application process includes:

1. The submission of an Expression of Interest \*
2. The online registration for the Entry Exam - \$70 (late fee \$150)
  - PAYMENT Online. No PAYMENT = No TEST
  - Payment is by Credit Card Only
  - No refund if you do not sit the test/do not get into the academy
3. If deemed necessary, students may also need to attend an interview

*\*Expression of Interest form is available from the college website.*

# THE ENTRY EXAM

- The exam is externally set and marked by Edutest. Parents will receive feedback on test performance
- **The exam comprises of three components:**
  - Aptitude Test: Verbal Reasoning (30 Minutes)  
Numerical Reasoning (30 Minutes)
  - Achievement Test: Reading Comprehension (30 Minutes)  
Mathematics (30 Minutes)
  - Writing Test: Creative (15 Minutes)
- **Lunch**
- Skills Group Activity (40 Minutes)
- The exam will be conducted on the 9<sup>th</sup> June



# LAPTOP ARRANGEMENTS

- The program is built around students extensively using a Laptop
- RSC is currently exploring the most appropriate options in terms of costs, machinery, functionality and insurance
- This process will be finalised by the end of Term 3 and parents of successful applicants will be notified



# FAQ

## 1) What are the fees for RMASA?

\$1100 - \$1200 per year

**Inclusions** - College fees, printing & internet, excursions, incursions, Science workshops, materials for Maths /Science Exploration & Design Days

**Exclusions** - Camps and Urban Experience , instrumental music tuition, Laptop Lease or purchase, Calculator.

**Payment plan** - Upfront or a term in advance must be via credit card or direct transfer

## 2) How are students assessed?

At years 7 - 10 according to the Victorian Learning Standards  
Assessment practices mirror VCE

VCE - VCAA standards

## FAQ (cont.)

**3) Can I change the preference for my child's secondary school next year?**

**YES.** You can let the primary school know once you have received the offer from RSC

**4) What support is there for my child?**

Students are supported by their mentors, team leaders and at VCE the Course counsellors and Managed individual pathways coordinator

**5) Will the student be able to transfer into mainstream?**

RMASA program is delivered in a way that should a student wish to transfer into generalist /mainstream, they can easily do so without having to catch up on missed curriculum.

**6) Will my child have to travel between campuses?**

Only students at VCE level may have to travel between campuses and this will be dependent on their subject choice.

# KEY DATES & TIMELINE

- EOI** **NOW** asap
- 5<sup>th</sup> June Sunday** Online Registration closes
- 9<sup>th</sup> June Thursday** Entry Examination at the Western Campus
- Interviews** By the end of term 2 - before  
1<sup>st</sup> July
- Week of 24<sup>th</sup> July** Letters of Offer posted