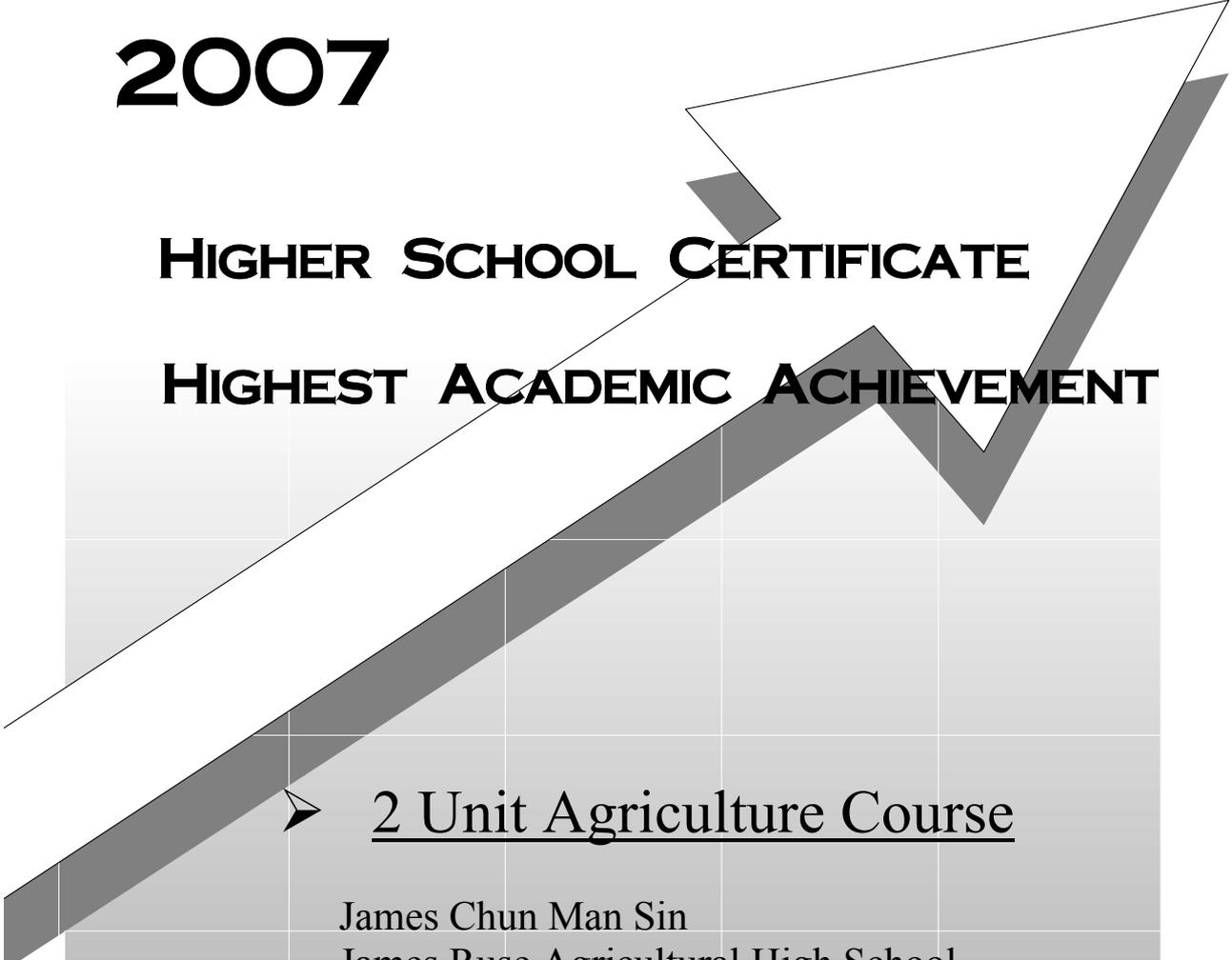

2007

HIGHER SCHOOL CERTIFICATE

HIGHEST ACADEMIC ACHIEVEMENT



➤ 2 Unit Agriculture Course

James Chun Man Sin
James Ruse Agricultural High School

➤ Top Agriculture Project

Madeline Eve Kavanagh
Galston High School

➤ 2 Unit VET Primary Industries

Caitlin Jane Mack
Hurlstone Agricultural High School

NSWAAT congratulates the top students in the 2007HSC & in particular the fine efforts of their teachers.

NSWAAT:

Top Achievers in 2007 HSC

Congratulations to the top student achievers in the 2007 HSC for:

- 2 Unit Agriculture
- 2 Unit Agriculture Project
- 2 Unit Primary Industries

Congratulations to these students & a special mention to the students' teachers & their schools.

The NSWAAT presented each achiever with a trophy & certificate in recognition of their fine achievement.

Charles Mullarvey Awards

Top Student:

**2 Unit
Agriculture**

*James Chun Man Sin
James Ruse
Agricultural High School*



Top Student:

**2 Unit
Agriculture Project**

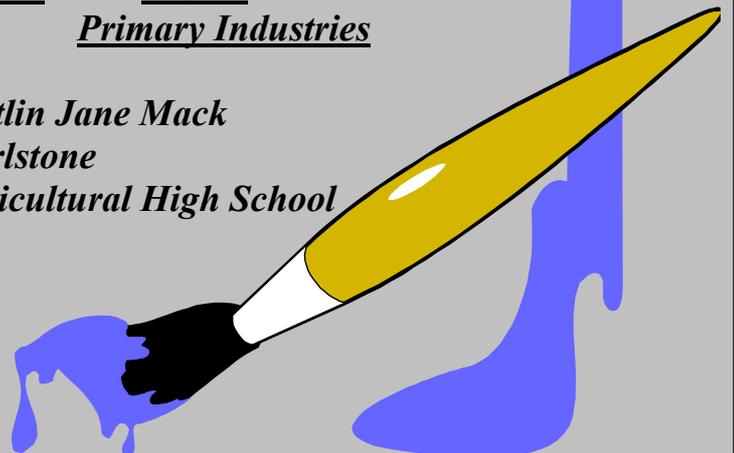
*Madeline Eve Kavanagh
Galston High School*



Top Student:

**2 Unit
Primary Industries**

*Caitlin Jane Mack
Hurlstone
Agricultural High School*



Highest Academic Achievement

2 Unit Agriculture 2007 HSC

Charles Mullavey Memorial Prize 2008

James Sin of James Ruse Agricultural High School was first in 2 unit Agriculture at the 2007 HSC with a mark of 99 and as a result receives the Charles Mullavey Memorial Prize.

This is the result of a combination of many things. He has a very high academic ability. He is a dedicated student. He has support from his family and he has had the privilege of doing Agriculture at James Ruse with its experienced and committed staff.

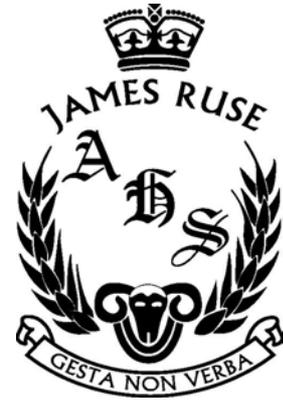
His teacher for the HSC was Gail Roberts and James's first in the state was the fifth in a row for Gail. This record is unequalled in any subject at the HSC.

James's parents migrated to Australia from Hong Kong in 1992 when he was one year old. James attended Eastwood Public School prior to entering James Ruse in Year 7.

This year in year 12 he is studying 2 Unit English (advanced), English extension 1, 2 Unit Mathematics, Mathematics Extension 1, 2 Unit French Continuers, French Extension, 2 Unit Economics and 2 Unit Philosophy. James would like to study a Bachelor of Commerce and a Bachelor of Law at University next year.

At school James is involved with Rural Youth, Interact, the Poultry Squad and Weatherwatchers. James enjoys tennis, music, and reading.

NSWAAT congratulates Gail Roberts on her outstanding results in being the first teacher to have the fifth top academic student in consecutive years in Agriculture or any subject in the HSC.



James Chun Man Sin is the recipient of the Charles Mullavey award for being the student who achieved the highest academic result in the 2 unit Agriculture course in the 2007 HSC



James Sin receiving his NSWAAAT trophy from Agriculture teacher Gail Roberts.

2007 HSC



Madeline Kavanagh of Galston High School; receiving her NSWAAAT trophy from Agriculture teacher Sheryl Thornthwaite, recognising her outstanding effort in the 2007 Agriculture HSC by being judged to have submitted the top Agriculture Research Project.



2007 HSC

Top Research Project

2007

HSC

Madeline Kavanagh

WHERE COME FROM –

- Completed HSC in 2007 at Galston High School, Sydney
- Come from a semi-rural community, with 2 brothers, mother and father

WHAT DONE –

- Finalist in BHP Billiton research project competition in 2004
- Participated in the CSIRO Student Research Scheme 2006

WHAT WANTS TO DO –

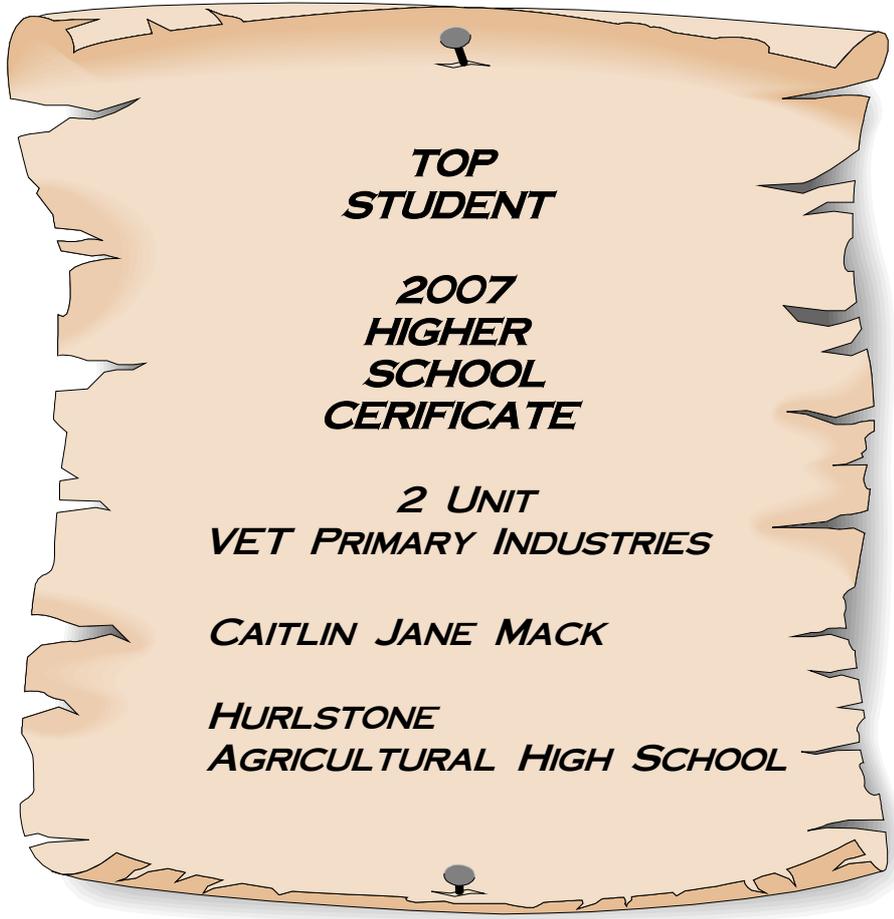
- About to begin BSc (Ad.) at the University of Sydney, with a hope to move towards becoming a research scientist or lecturer, in a yet unspecified area
- Particularly interested in biochemistry, molecular biology, genetics, biotechnology, pathology, etc.
- Travel, be involved in volunteer abroad work and university exchange programs

SYNOPSIS –

- Chose to investigate methods that could be used to reduce methane emissions from rice paddies – irrigation management and fertiliser application
- Tried to think of something I actually cared about and the two biggest problems I could see assaulting Australia immediately, and which had the potential to cause damage long into the future, were drought and climate change
- Not only do these environmental issues threaten Australia's many varied and fragile ecosystems but could significantly reduce agricultural productivity
- Knew little to nothing about rice when I began but did a lot of research
- Rice is the most significant wetland crop in the world being the dominant calorie source for a major proportion of the world's population
- Due to the nature of how rice is grown, the industry emits large amounts of methane (60 tg) into the atmosphere annually
- Methane has a dramatic global warming potential, and the impact of its predicted increase in production from increases in rice agriculture - to satisfy global food demand - has been identified.



*NSWAAT congratulates
Madeline on her fine
efforts in the 2007 HSC*



Where is Hurlstone?

- Hurlstone Agricultural High School is located at Glenfield in the South Western suburbs of Sydney which is celebrating its centenary this year is a selective co-educational high school which caters for both day and boarding students. The school currently has about 960 students.

Resources at Hurlstone

- The school is located on about 100 Hectares of land and because of its status as a Agricultural High school the school has an impressive range of Agricultural enterprises from a commercial dairy milking 40 cows each day, a barn yard laying system of over 300 poultry and a large range of other farm animal enterprises as well as a range of horticultural activities.
- This means that Hurlstone Primary Industries students were exposed to a large variety of enterprises and working situations within the school environment.

VET at Hurlstone

- The school even though it is a selective high school which places a strong emphasis on academic achievement also recognizes the place of VET courses within the curriculum and at any time the school will have a number of students attending various courses usually run through the local TAFE system.



*NSWAAT
Congratulates
Caitlin
on her fine
efforts in
Primary
Industries
at the
2007 HSC*

^ CAITLIN WAS A BOARDING STUDENT AT THE SCHOOL WHOSE FAMILY OPERATES A MIXED FARM IN THE MAITLAND AREA OF NSW. NOT ONLY DID CAITLIN EXCEL ACADEMICALLY SHE ALSO TOOK ADVANTAGE OF THE WIDE RANGE OF EXTRA CURRICULAR ACTIVITIES THAT THE SCHOOL OFFERS ALL IT STUDENTS.

^ CAITLIN REPRESENTED THE SCHOOL IN ITS VERY SUCCESSFUL GIRLS HOCKEY TEAM FOR A NUMBER OF YEARS AND WAS A MEMBER OF THE RURAL YOUTH GROUP AT THE SCHOOL ATTENDING BOTH THE ROYAL EASTER SHOW AND THE NATIONAL STEER SHOW AT DUBBO WITH GREAT SUCCESS.

^ IN HER SENIOR YEARS CAITLIN ALSO SHOWED LEADERSHIP IN THESE AREAS SUPPORTING AND MENTORING THE YOUNGER STUDENTS IN THESE GROUPS.