

Mathematics in Decline

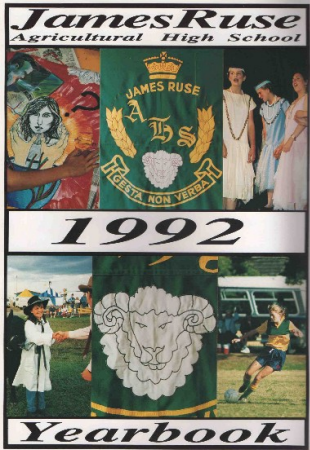
this is the bottom line.

The End

of JRAHS as we knew it

Ten Million Minutes (or Twenty Years)

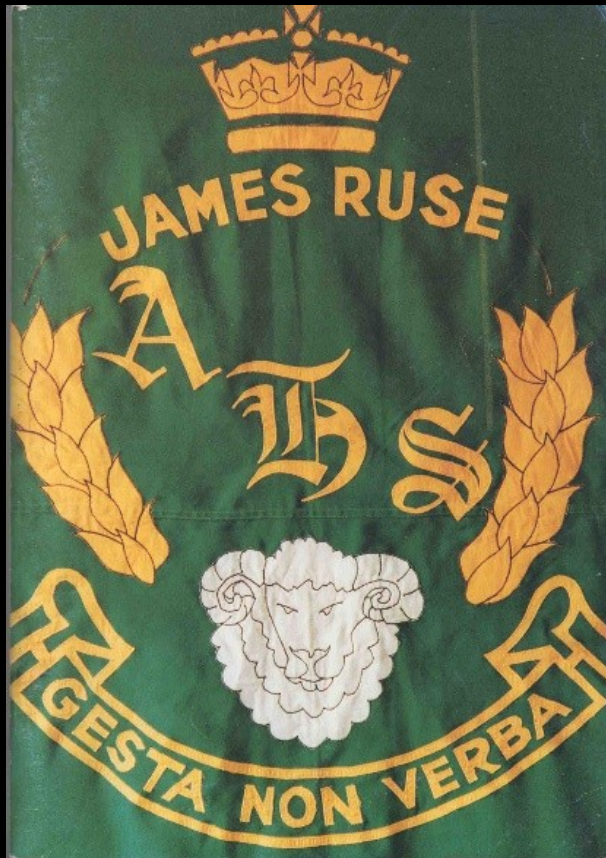
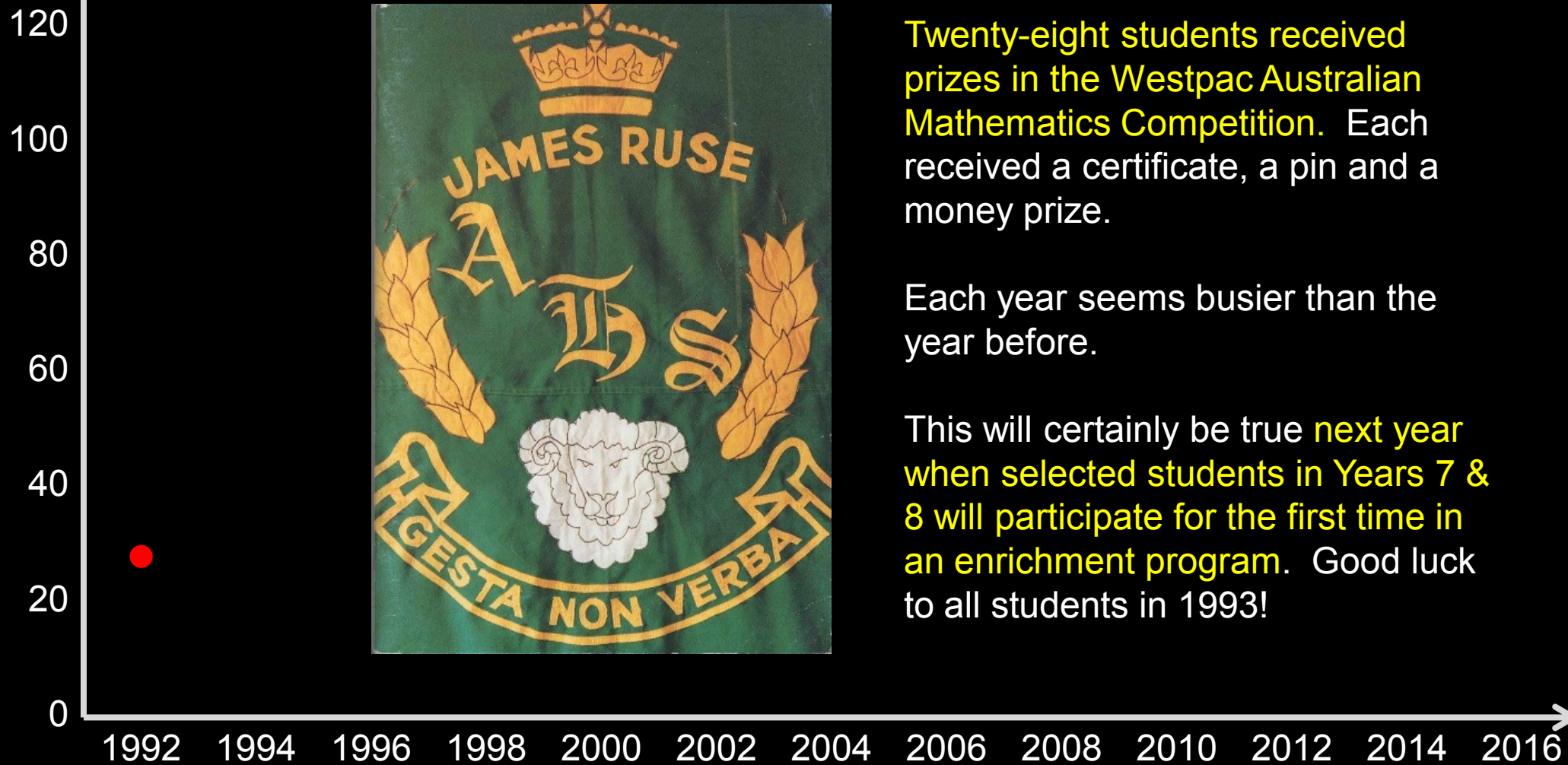
- JRAHS has been **leading the state** in academic performance for the past 20 years
- Historically, the school has drawn this strength from its **science and mathematics capabilities**
- Much of this success stemmed from the implementation of **enrichment programmes for students from an early stage**, starting in 1993
- **All good things come to an end**, and as the relevant staff retired over the years from 2001 onwards, these initiatives have **faltered and evaporated**
- An exciting new era is upon us: one where JRAHS **no longer dominates** the academic landscape, and students will have to **struggle to take the lead**



A Closer Look at Mathematics



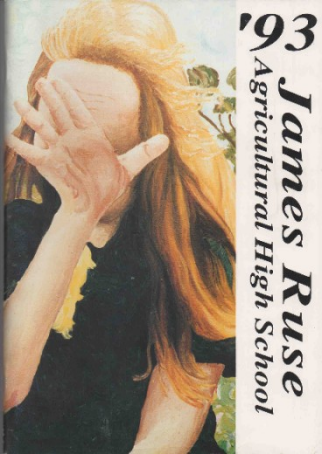
Source: JRAHS Yearbook



Twenty-eight students received prizes in the Westpac Australian Mathematics Competition. Each received a certificate, a pin and a money prize.

Each year seems busier than the year before.

This will certainly be true next year when selected students in Years 7 & 8 will participate for the first time in an enrichment program. Good luck to all students in 1993!



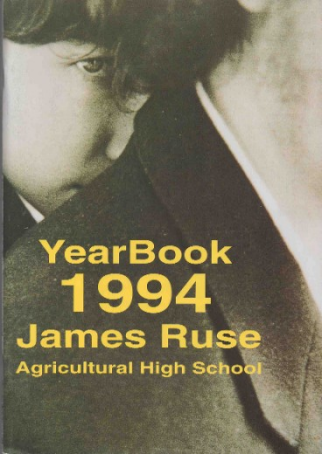
A Closer Look at Mathematics

Source: JRAHS Yearbook

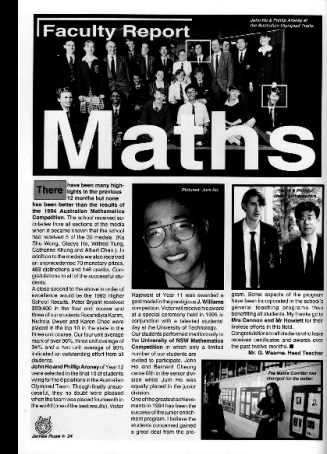


Australian Mathematics Competition (Westpac) Overall the results were the best that we have ever obtained. **We had 65 prize winners (double the previous best).** The top two prizewinners in each year were Martin Jenkins, Gladys Ho (Year 7), Leonard Chin, Scott Farquar (Year 8), Jurn Ho, Byron Smith (Year 9), Trevor Tang, Andrew McRae (Year 10), John Ho, Ingrid Groer (Year 11), Pauline Wong, Peter Bryant (12).

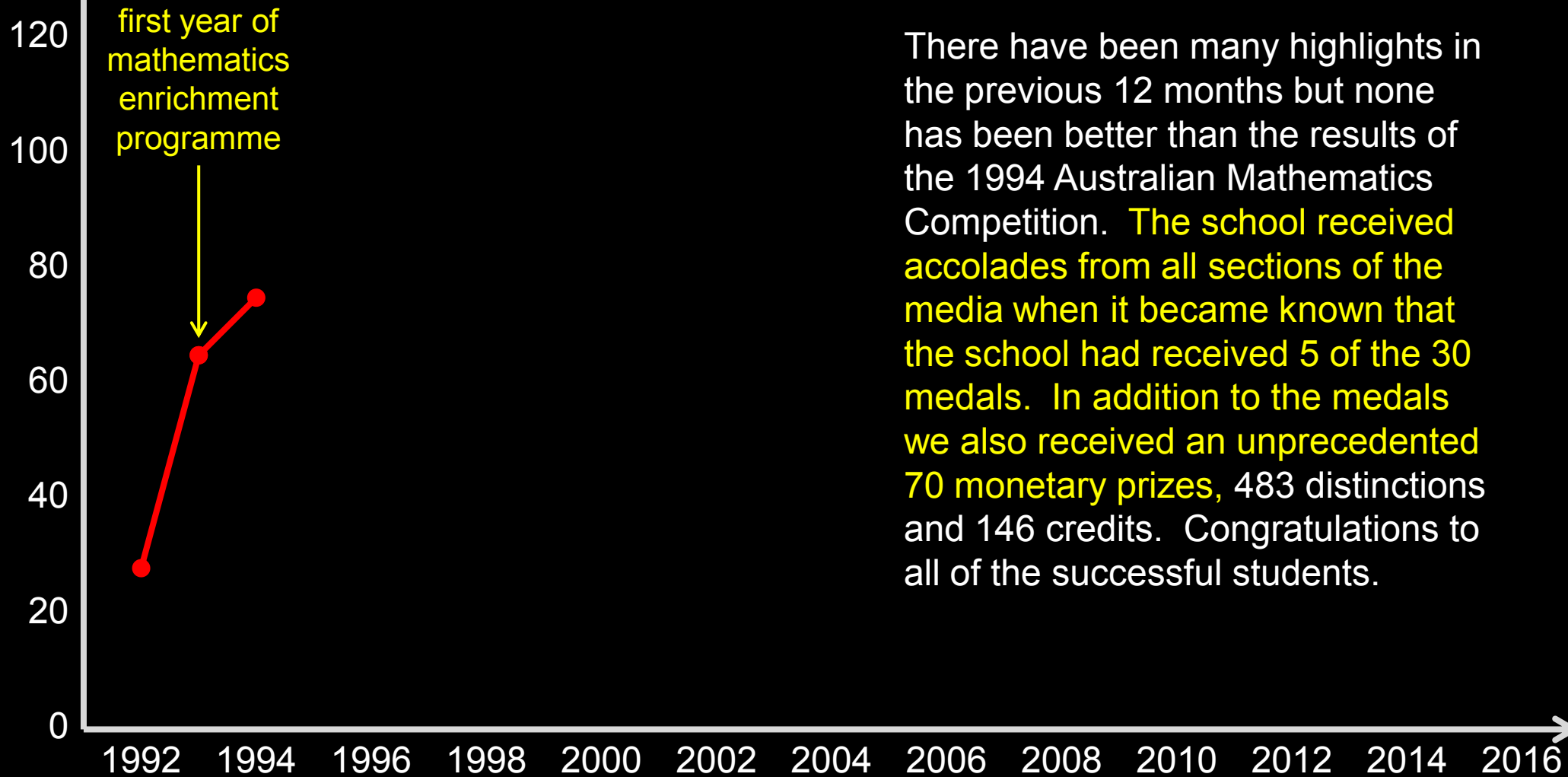




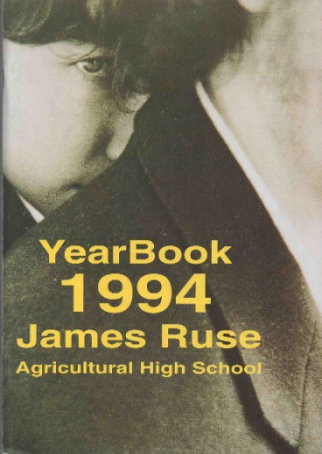
A Closer Look at Mathematics



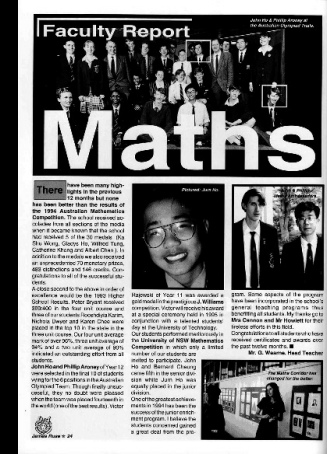
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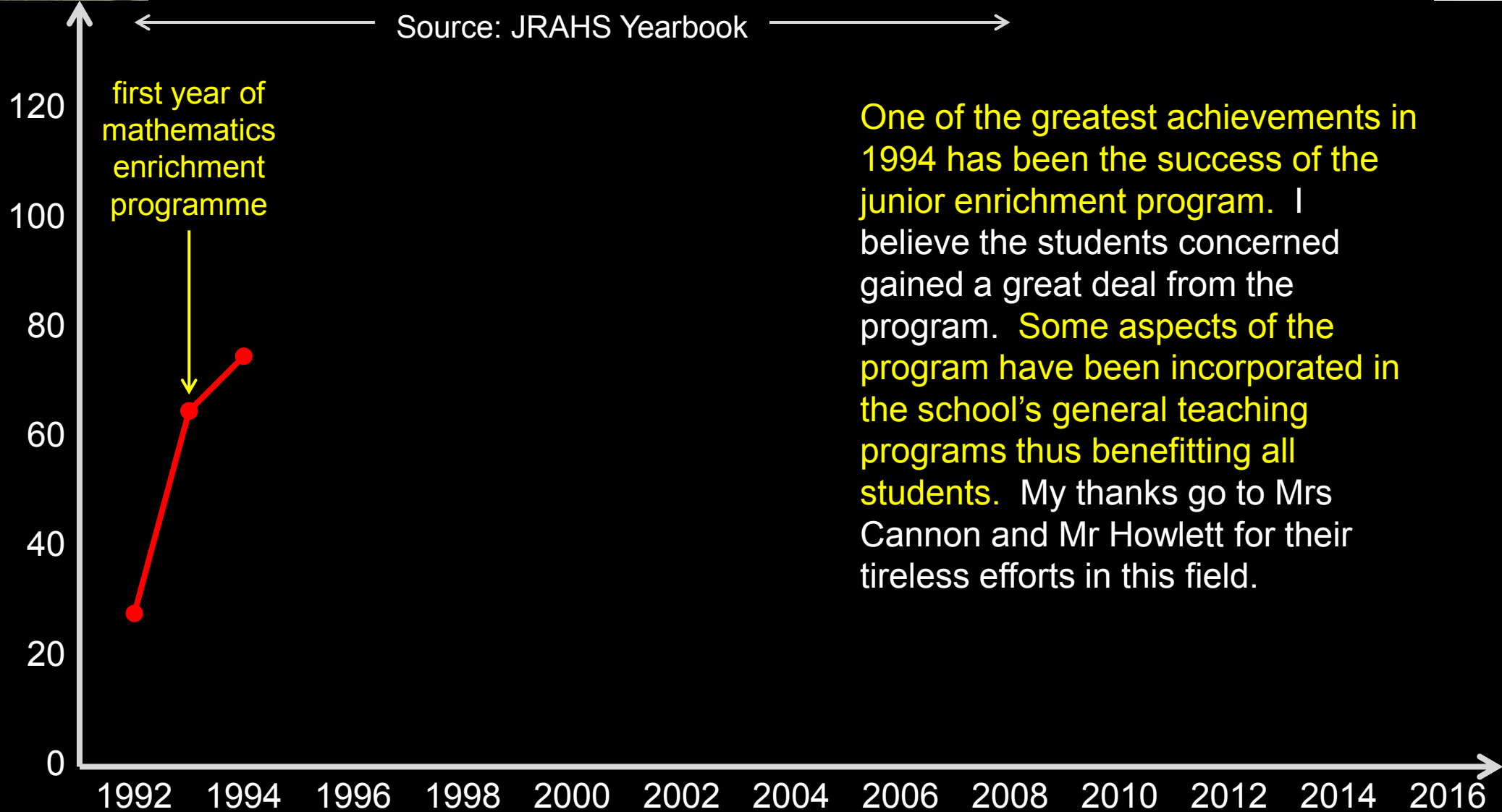
There have been many highlights in the previous 12 months but none has been better than the results of the 1994 Australian Mathematics Competition. **The school received accolades from all sections of the media when it became known that the school had received 5 of the 30 medals. In addition to the medals we also received an unprecedented 70 monetary prizes, 483 distinctions and 146 credits. Congratulations to all of the successful students.**



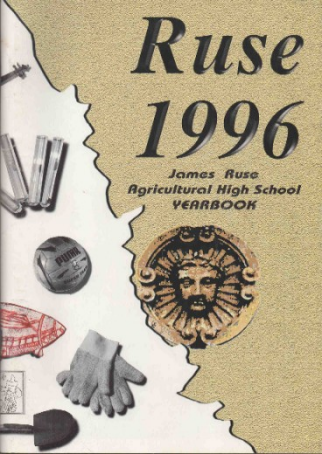
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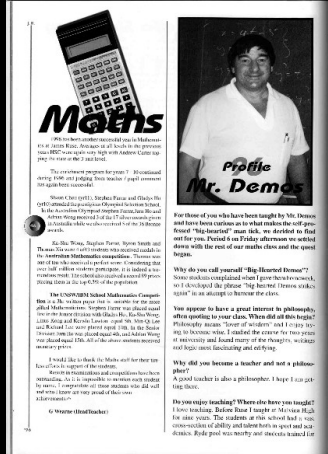
Source: JRAHS Yearbook



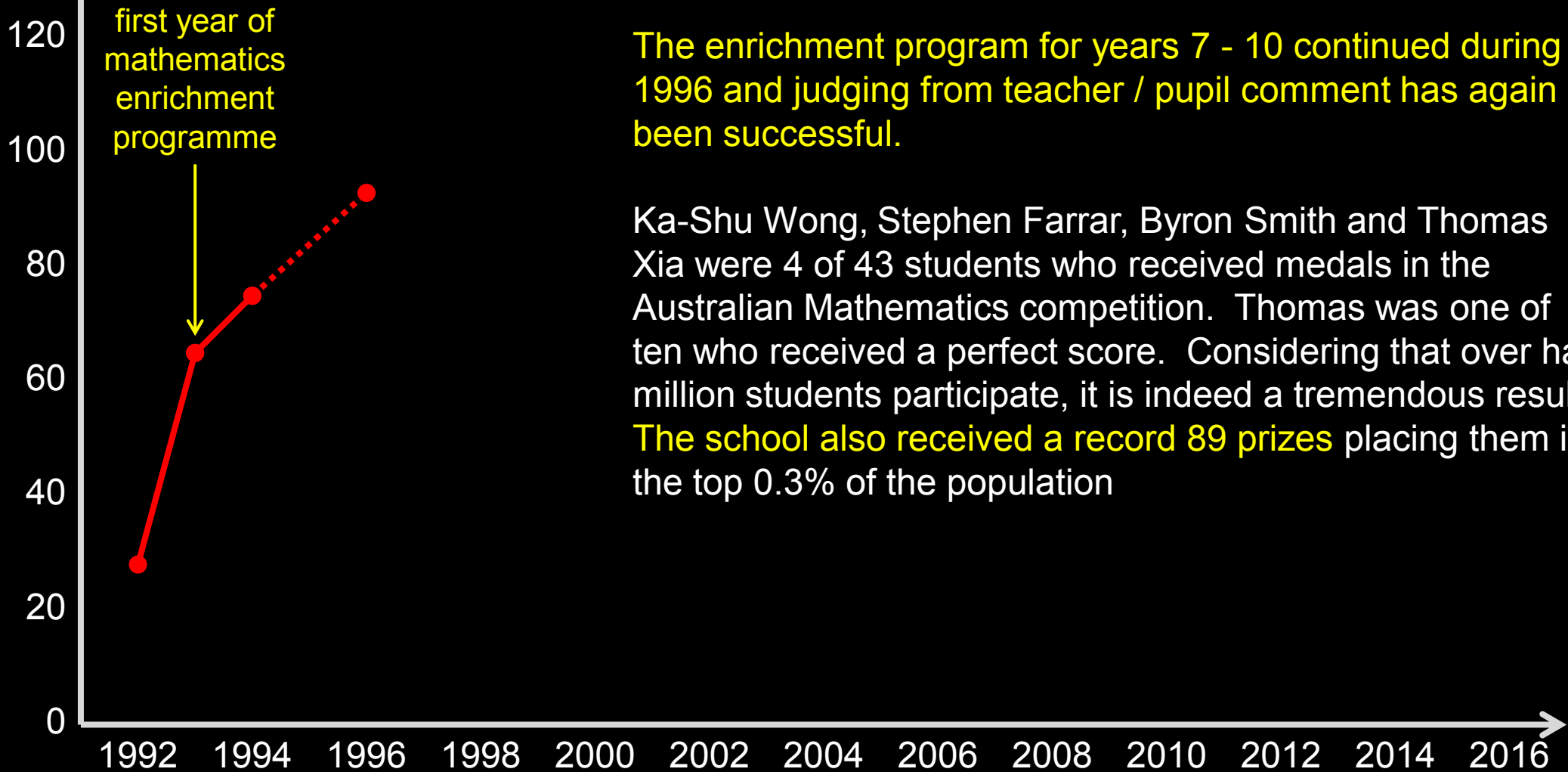
One of the greatest achievements in 1994 has been the success of the junior enrichment program. I believe the students concerned gained a great deal from the program. Some aspects of the program have been incorporated in the school's general teaching programs thus benefitting all students. My thanks go to Mrs Cannon and Mr Howlett for their tireless efforts in this field.



A Closer Look at Mathematics

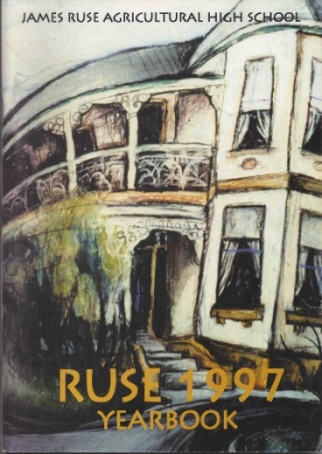


Source: JRAHS Yearbook

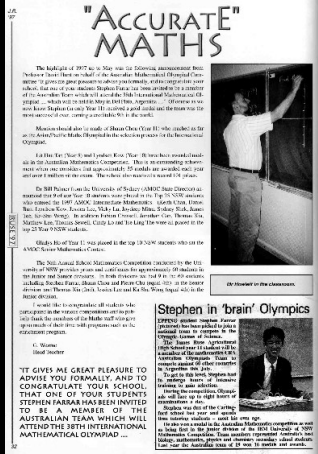


The enrichment program for years 7 - 10 continued during 1996 and judging from teacher / pupil comment has again been successful.

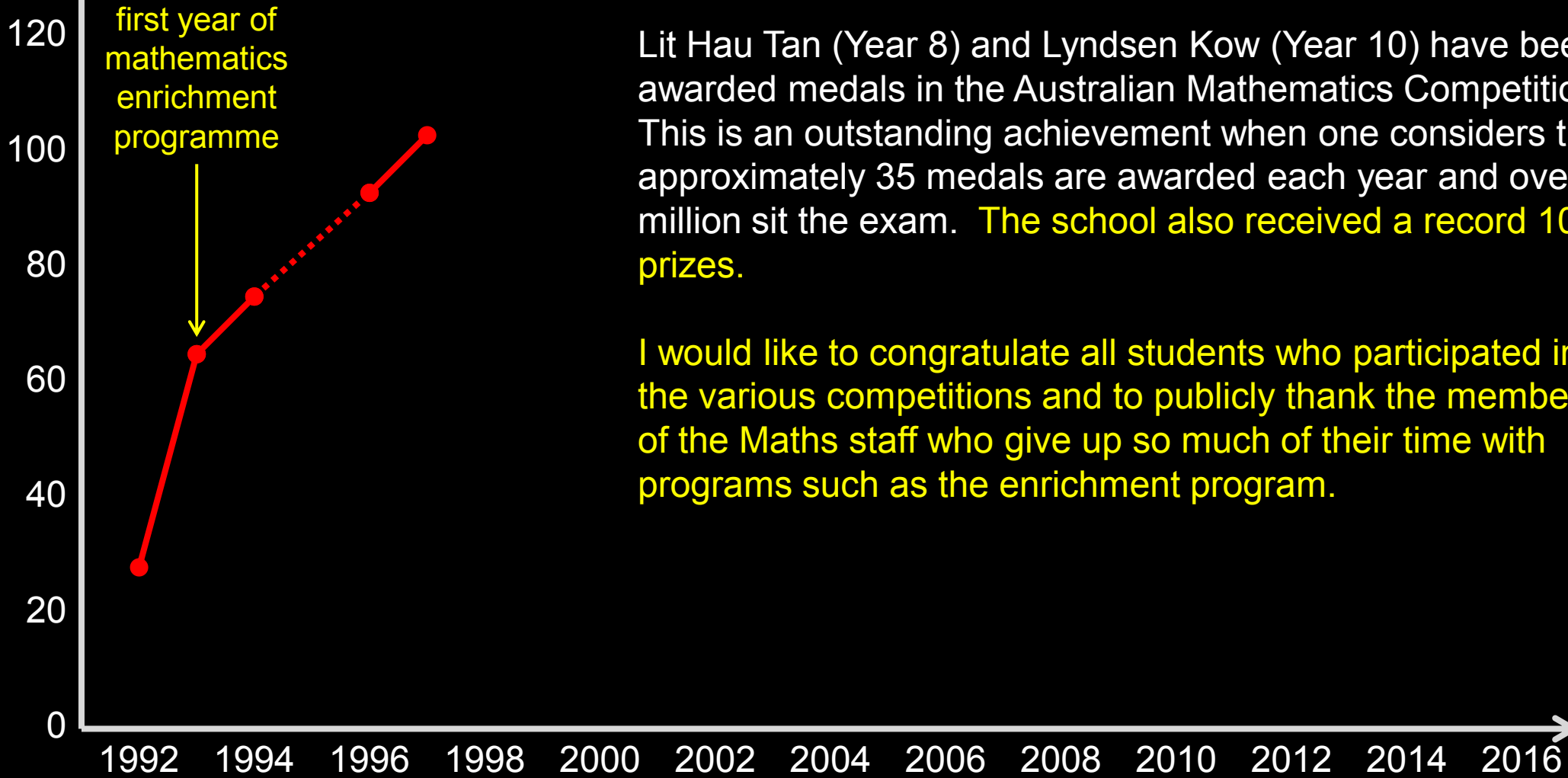
Ka-Shu Wong, Stephen Farrar, Byron Smith and Thomas Xia were 4 of 43 students who received medals in the Australian Mathematics competition. Thomas was one of ten who received a perfect score. Considering that over half million students participate, it is indeed a tremendous result. The school also received a record 89 prizes placing them in the top 0.3% of the population



A Closer Look at Mathematics

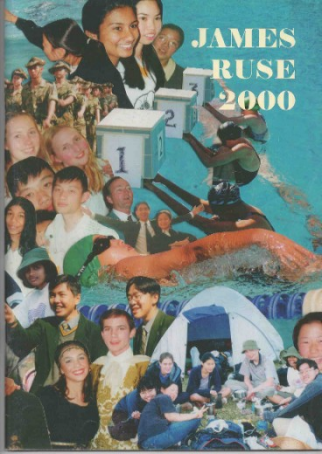


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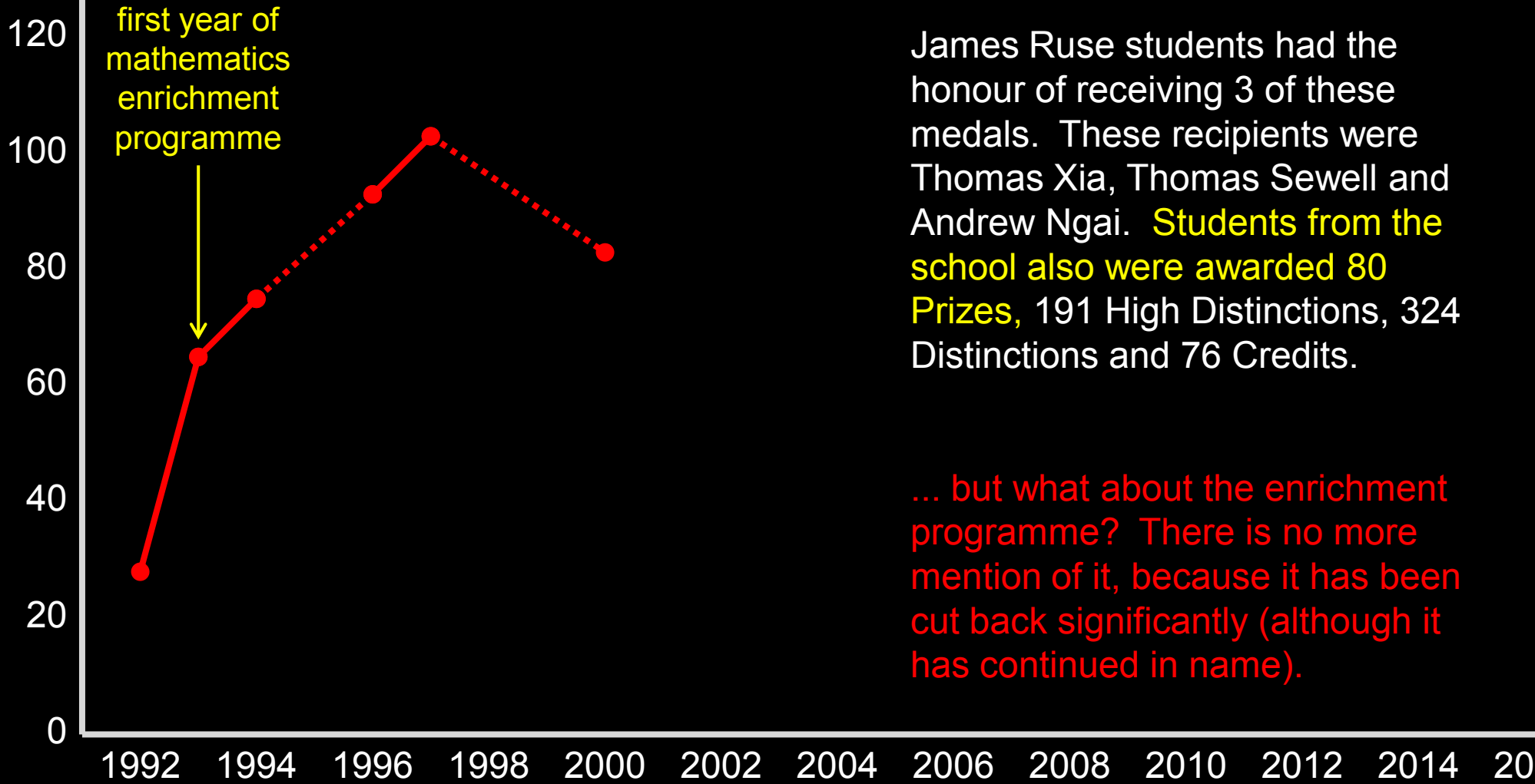
Lit Hau Tan (Year 8) and Lyndsen Kow (Year 10) have been awarded medals in the Australian Mathematics Competition. This is an outstanding achievement when one considers that approximately 35 medals are awarded each year and over 1 million sit the exam. **The school also received a record 101 prizes.**

I would like to congratulate all students who participated in the various competitions and to publicly thank the members of the Maths staff who give up so much of their time with programs such as the enrichment program.



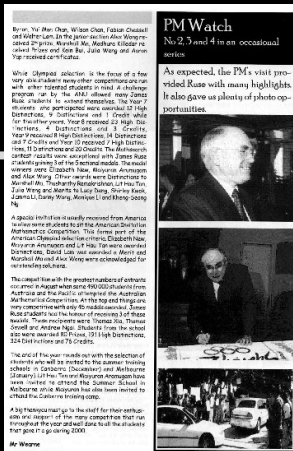
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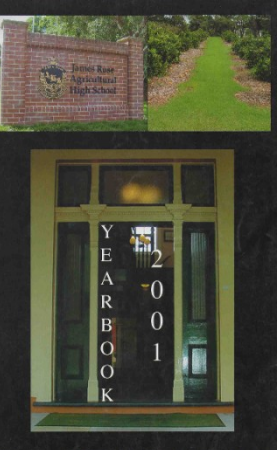
Source: JRAHS Yearbook



James Ruse students had the honour of receiving 3 of these medals. These recipients were Thomas Xia, Thomas Sewell and Andrew Ngai. **Students from the school also were awarded 80 Prizes, 191 High Distinctions, 324 Distinctions and 76 Credits.**

... but what about the enrichment programme? There is no more mention of it, because it has been cut back significantly (although it has continued in name).





A Closer Look at Mathematics

MATHEMATICS

2001 has again proved to be a year of outstanding achievement with the 2001 IGCSE results being the first academic performance to be acknowledged. Sheng Aggarwal's highest score in mathematics was 100. Thomas Yu was awarded a C.C. Award medal for his success.

The mathematics challenge and enrichment program for year 7-10 continues to provide students with a collection of fun and challenging problems to solve. This year the challenge stage C of the program provided high distinction. The effort and determination of the students is commendable.

Throughout the year there have been significant numbers of students who have participated in various mathematics competitions to further their learning. The students who have participated in the International Mathematics Olympiad (IMO) were:

Chris Leong, Simon Tsang and Yufei Chen (only 3 students were awarded medals). Prizes were awarded to 86 students and 344 distinctions.

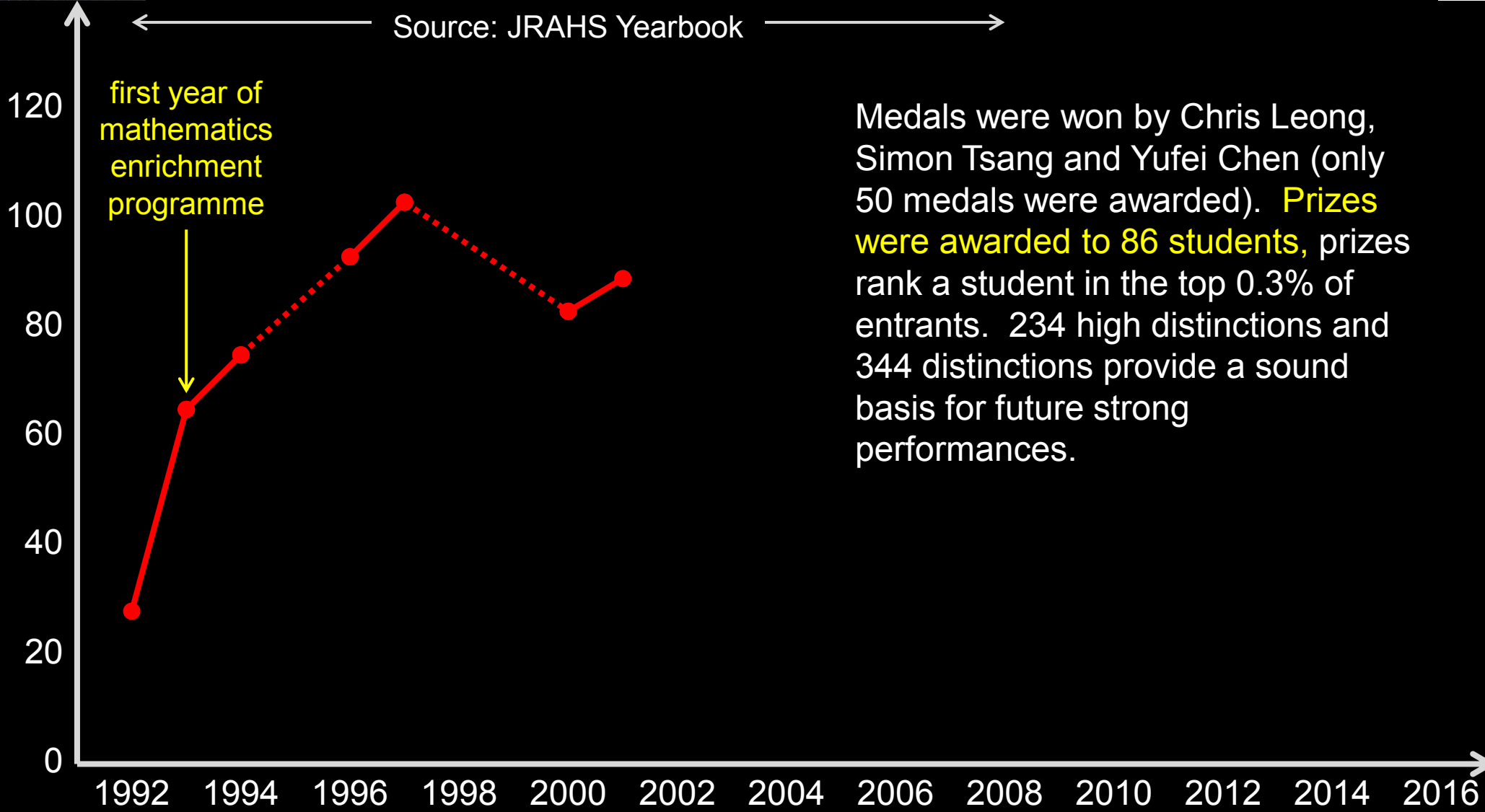
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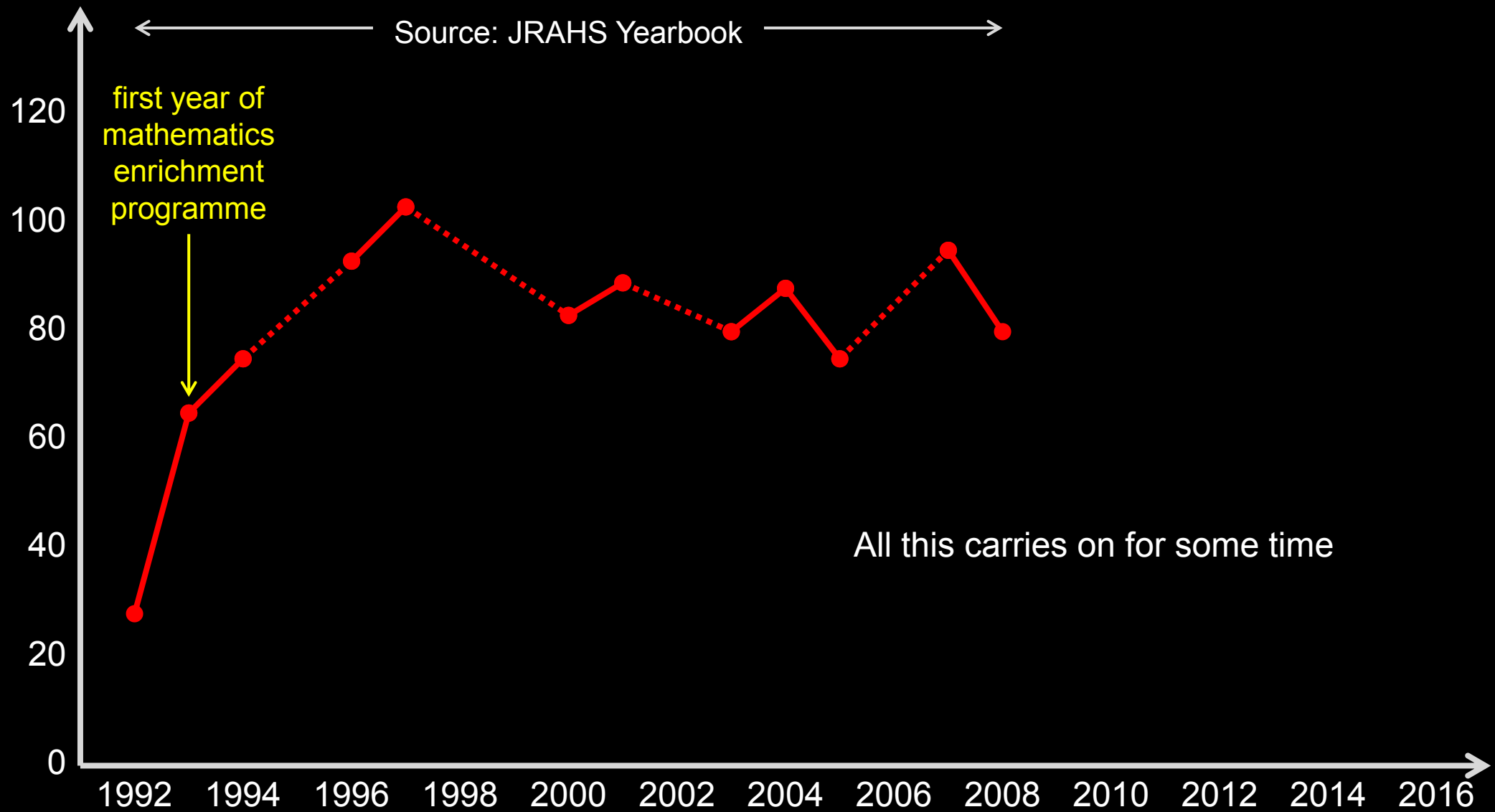
first year of mathematics enrichment programme

Medals were won by Chris Leong, Simon Tsang and Yufei Chen (only 50 medals were awarded). Prizes were awarded to 86 students, prizes rank a student in the top 0.3% of entrants. 234 high distinctions and 344 distinctions provide a sound basis for future strong performances.

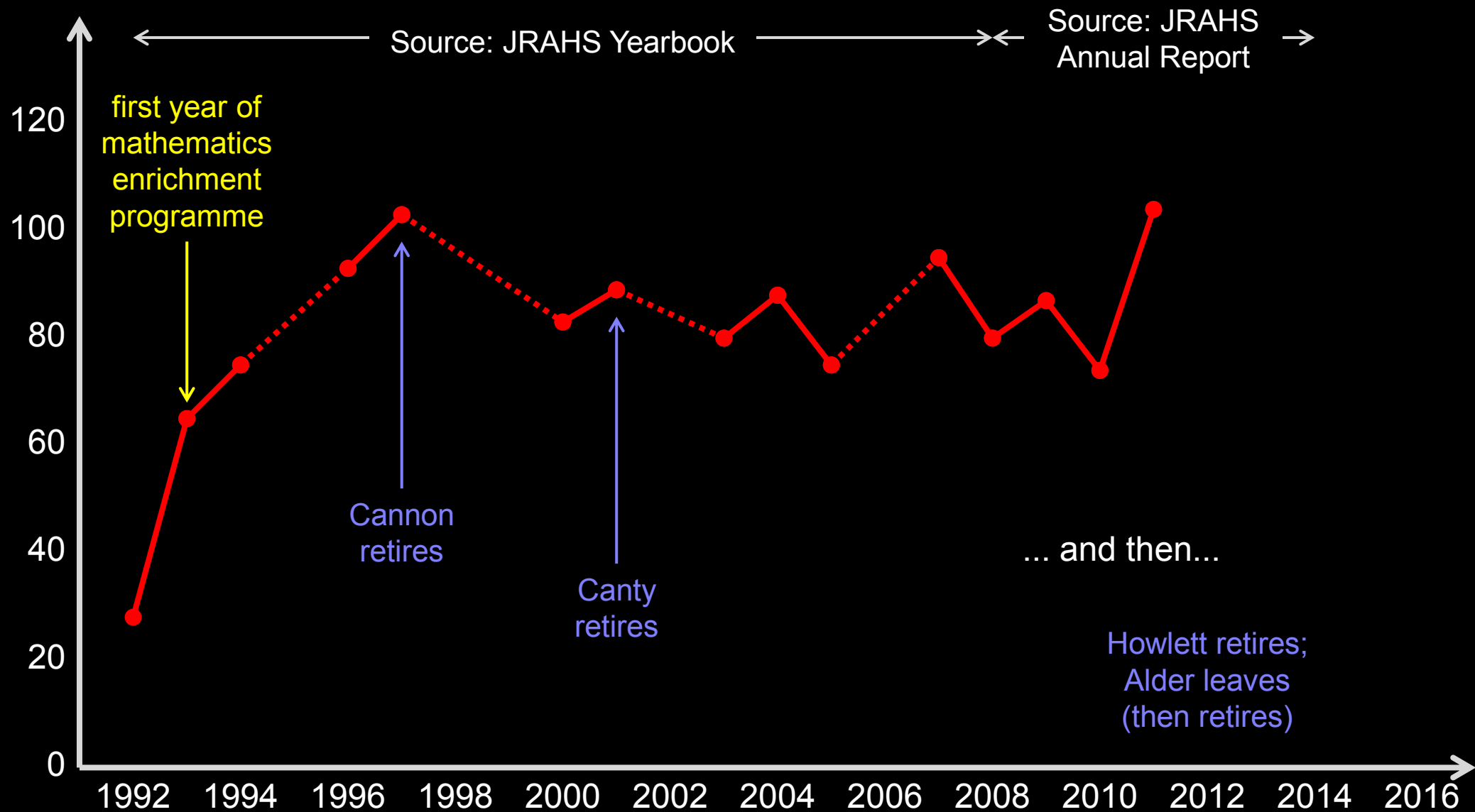


Greg Warren
Head Teacher

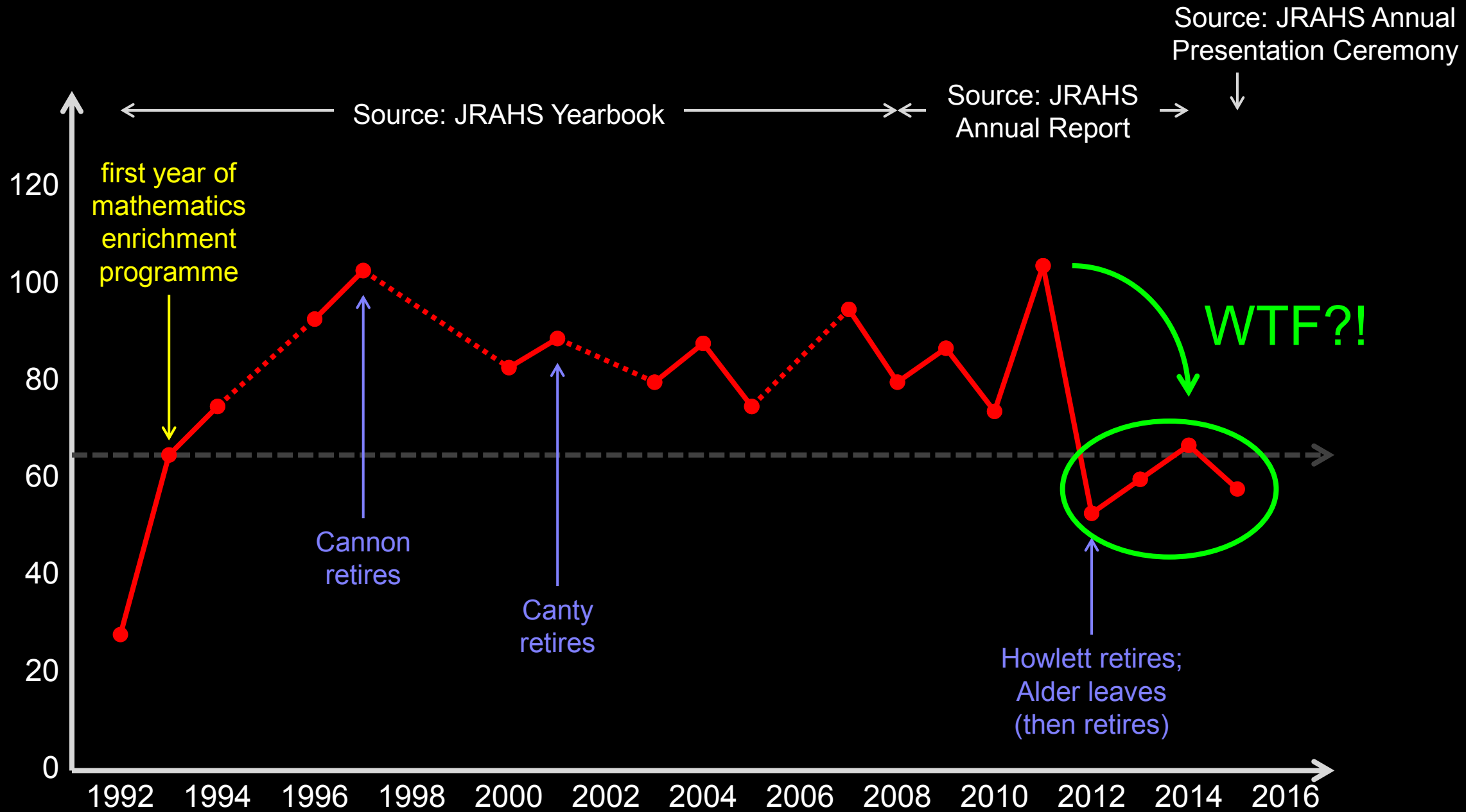
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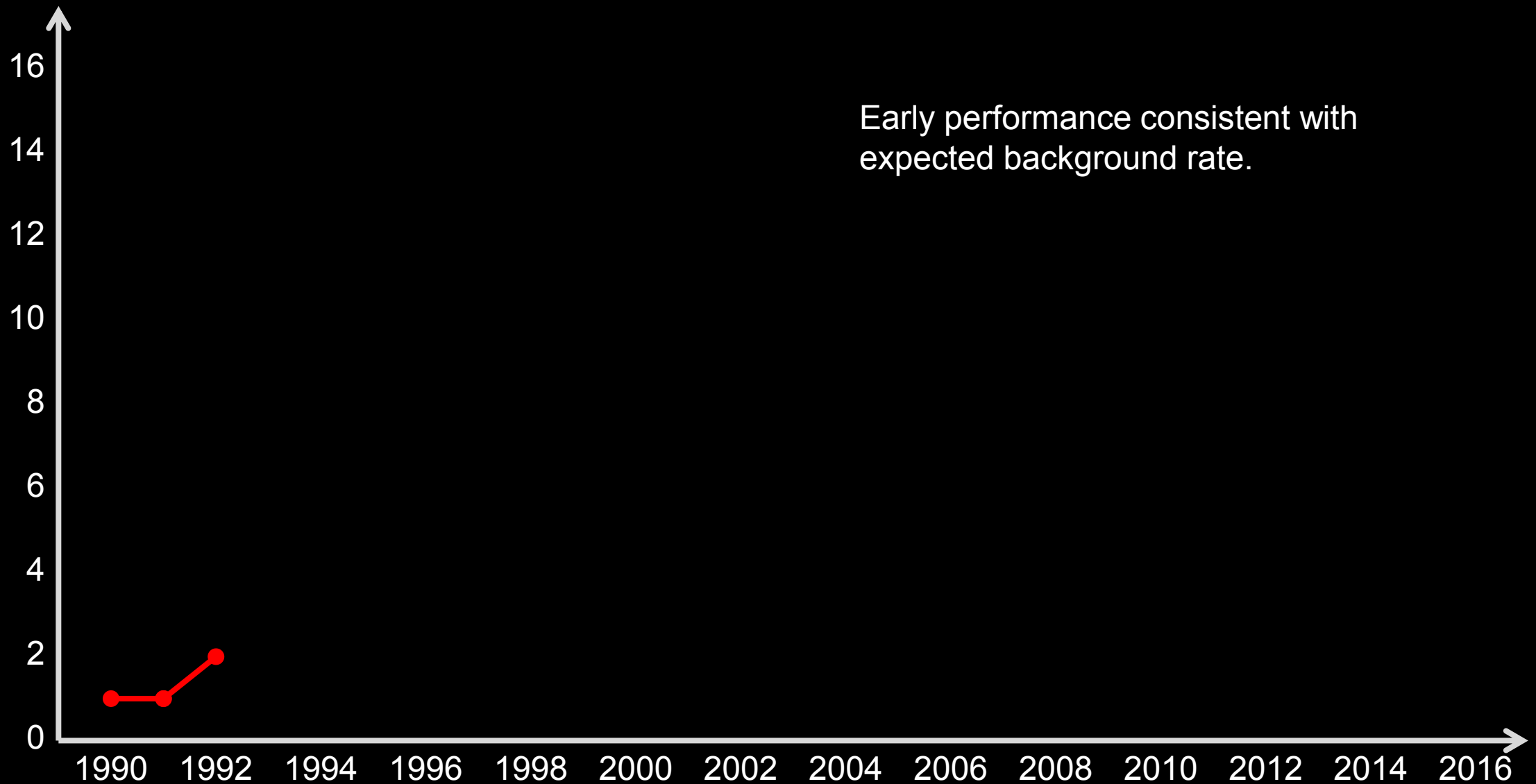
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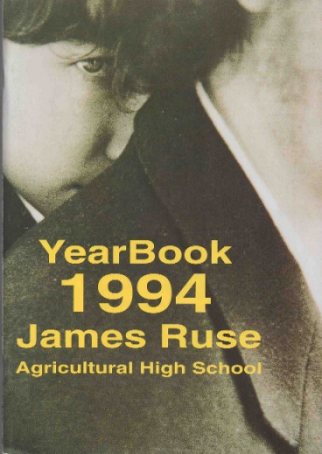
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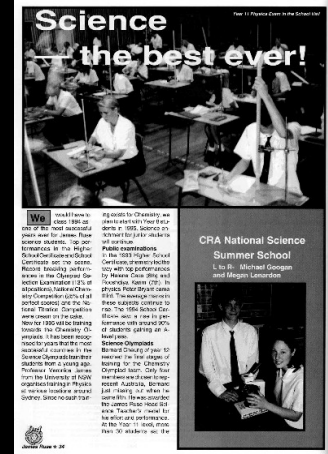
Does Science have the Answer?



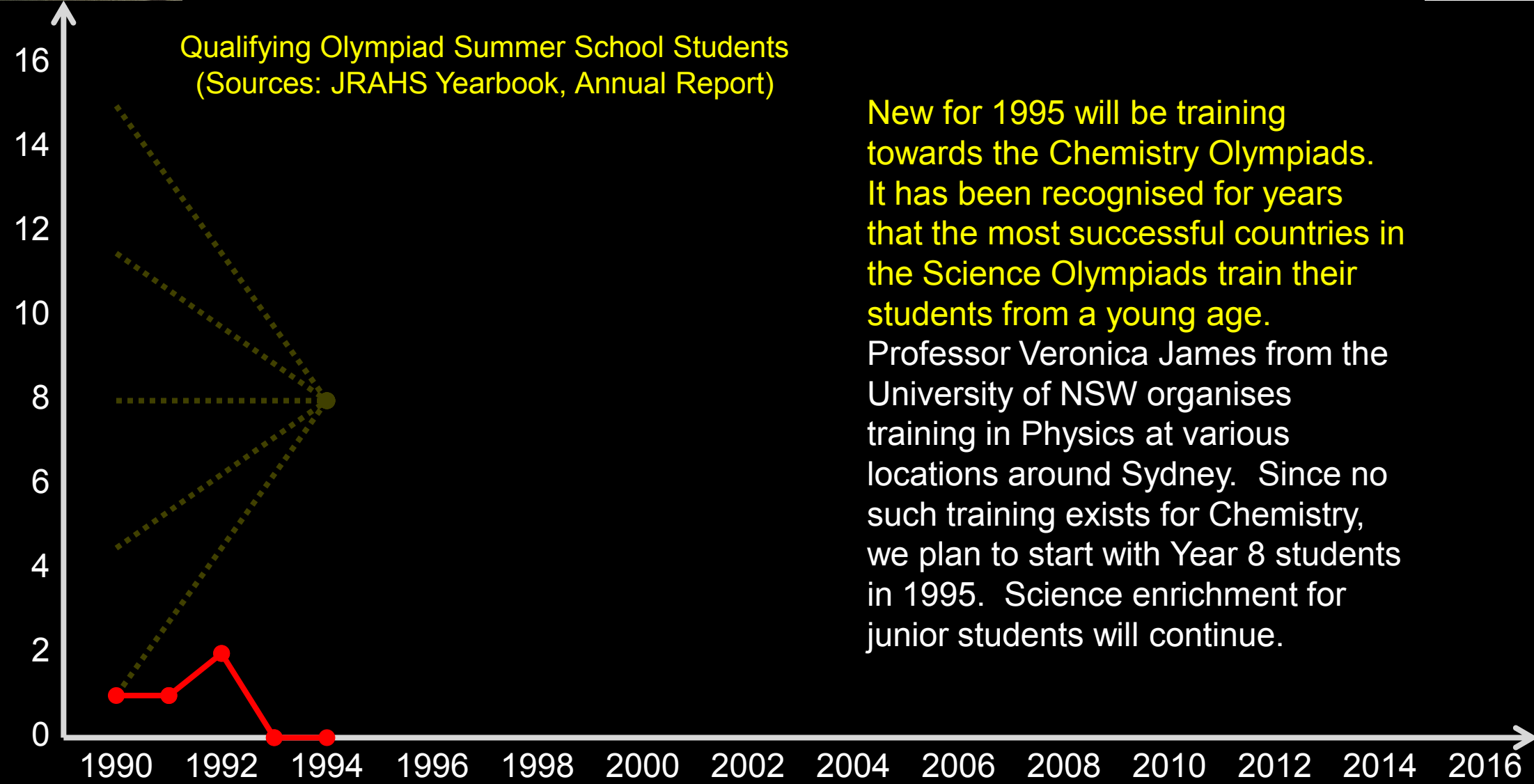
International Olympiad Team
Members (Source: Australian
Science Innovations Honour Roll)



Does Science have the Answer?

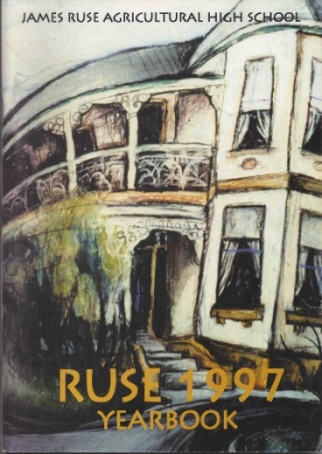


Qualifying Olympiad Summer School Students
(Sources: JRAHS Yearbook, Annual Report)

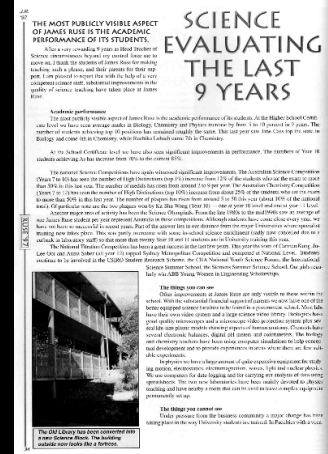


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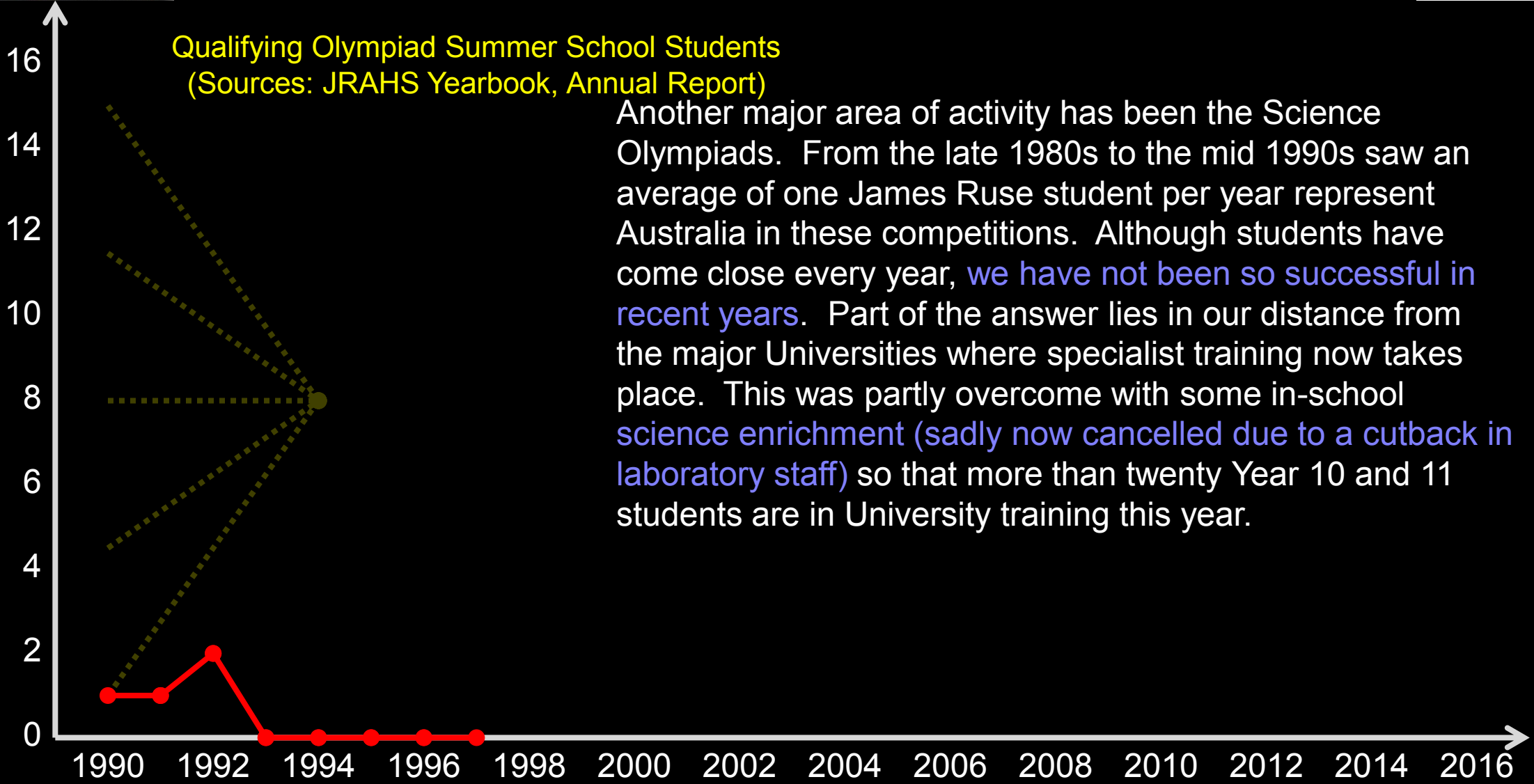
New for 1995 will be training towards the Chemistry Olympiads. It has been recognised for years that the most successful countries in the Science Olympiads train their students from a young age. Professor Veronica James from the University of NSW organises training in Physics at various locations around Sydney. Since no such training exists for Chemistry, we plan to start with Year 8 students in 1995. Science enrichment for junior students will continue.



Does Science have the Answer?

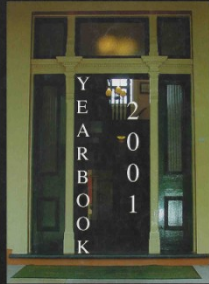


Qualifying Olympiad Summer School Students
(Sources: JRAHS Yearbook, Annual Report)



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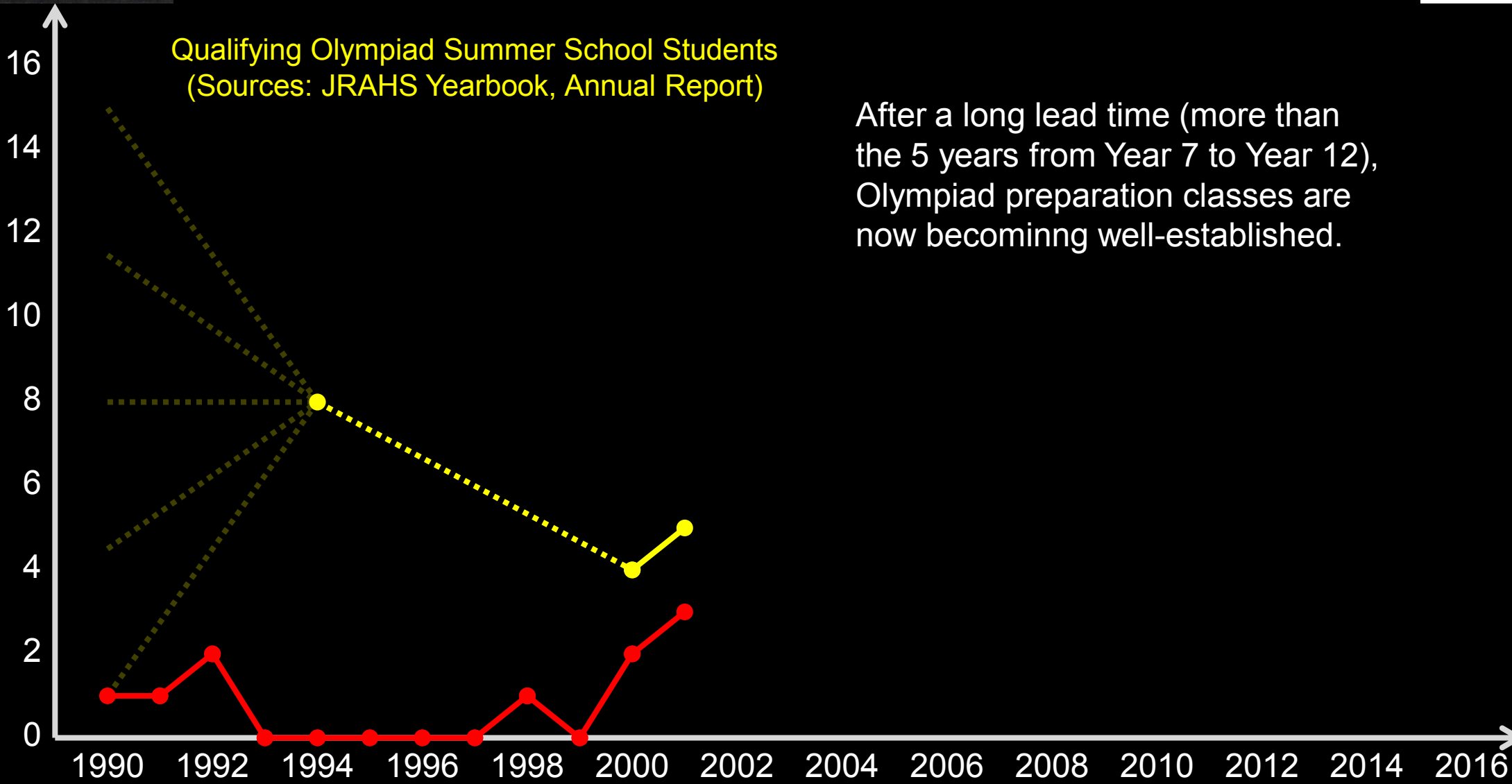
Another major area of activity has been the Science Olympiads. From the late 1980s to the mid 1990s saw an average of one James Ruse student per year represent Australia in these competitions. Although students have come close every year, **we have not been so successful in recent years**. Part of the answer lies in our distance from the major Universities where specialist training now takes place. This was partly overcome with some in-school science enrichment (sadly now cancelled due to a cutback in laboratory staff) so that more than twenty Year 10 and 11 students are in University training this year.



Does Science have the Answer?



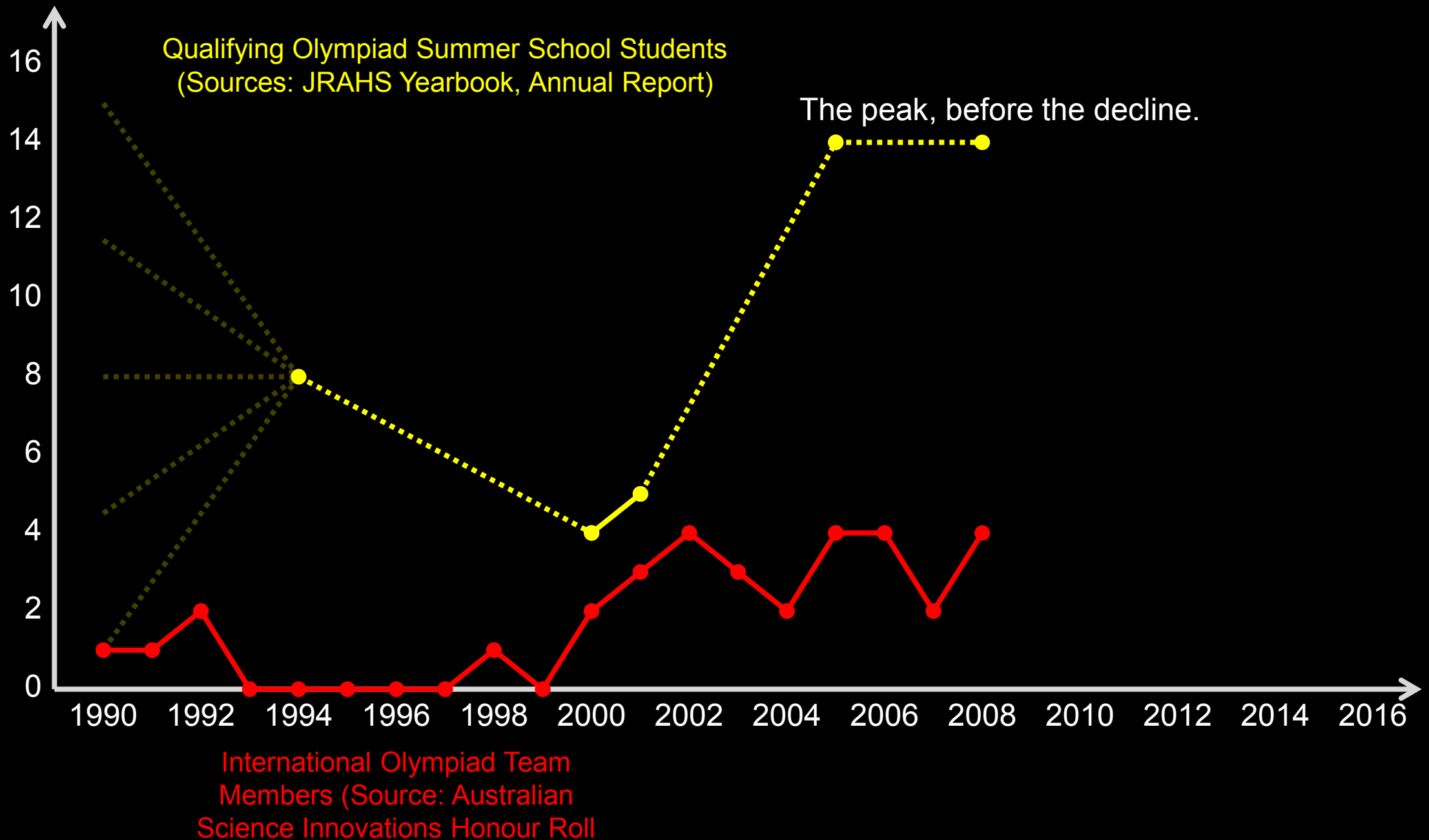
Qualifying Olympiad Summer School Students
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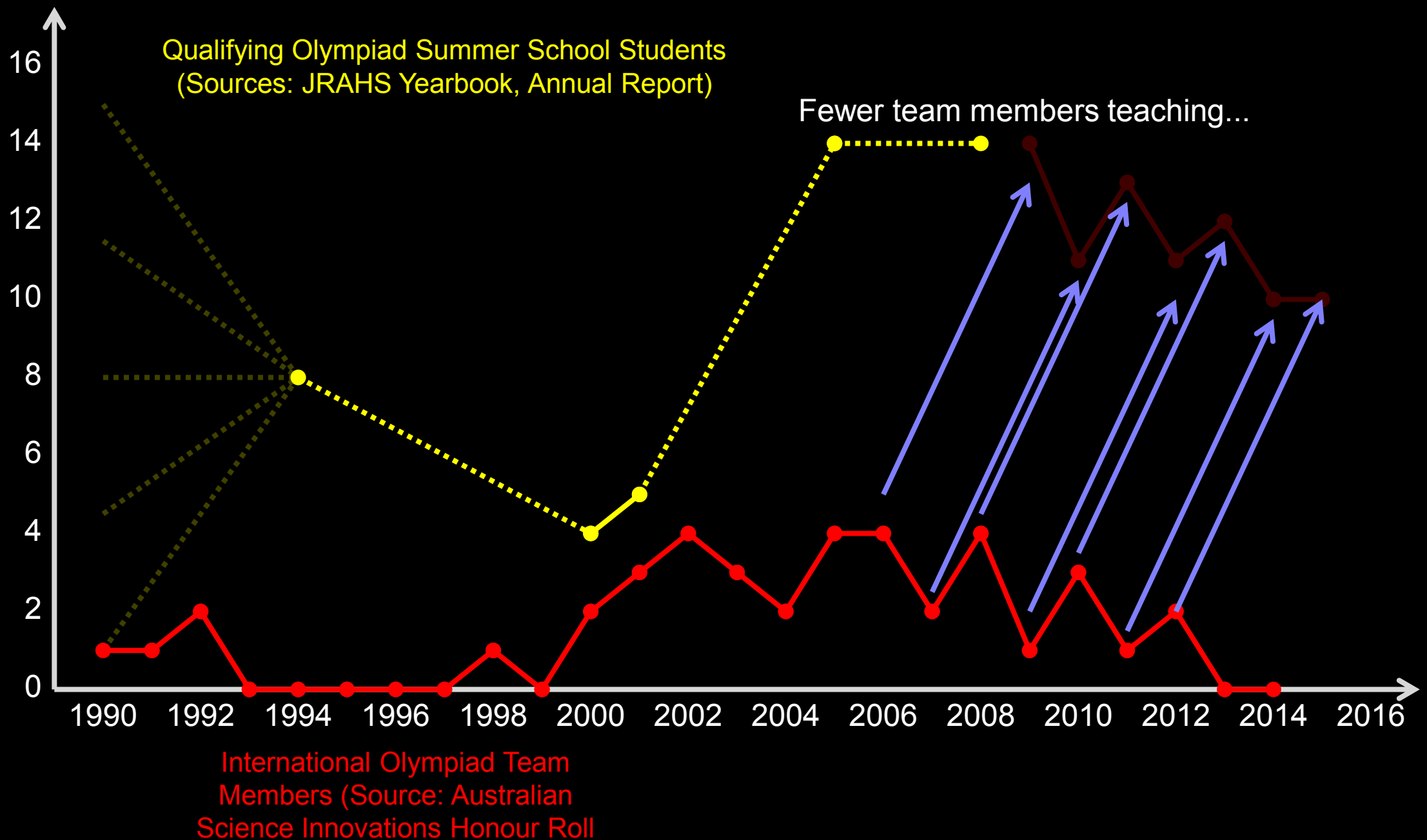
After a long lead time (more than the 5 years from Year 7 to Year 12), Olympiad preparation classes are now becoming well-established.

International Olympiad Team Members (Source: Australian Science Innovations Honour Roll)

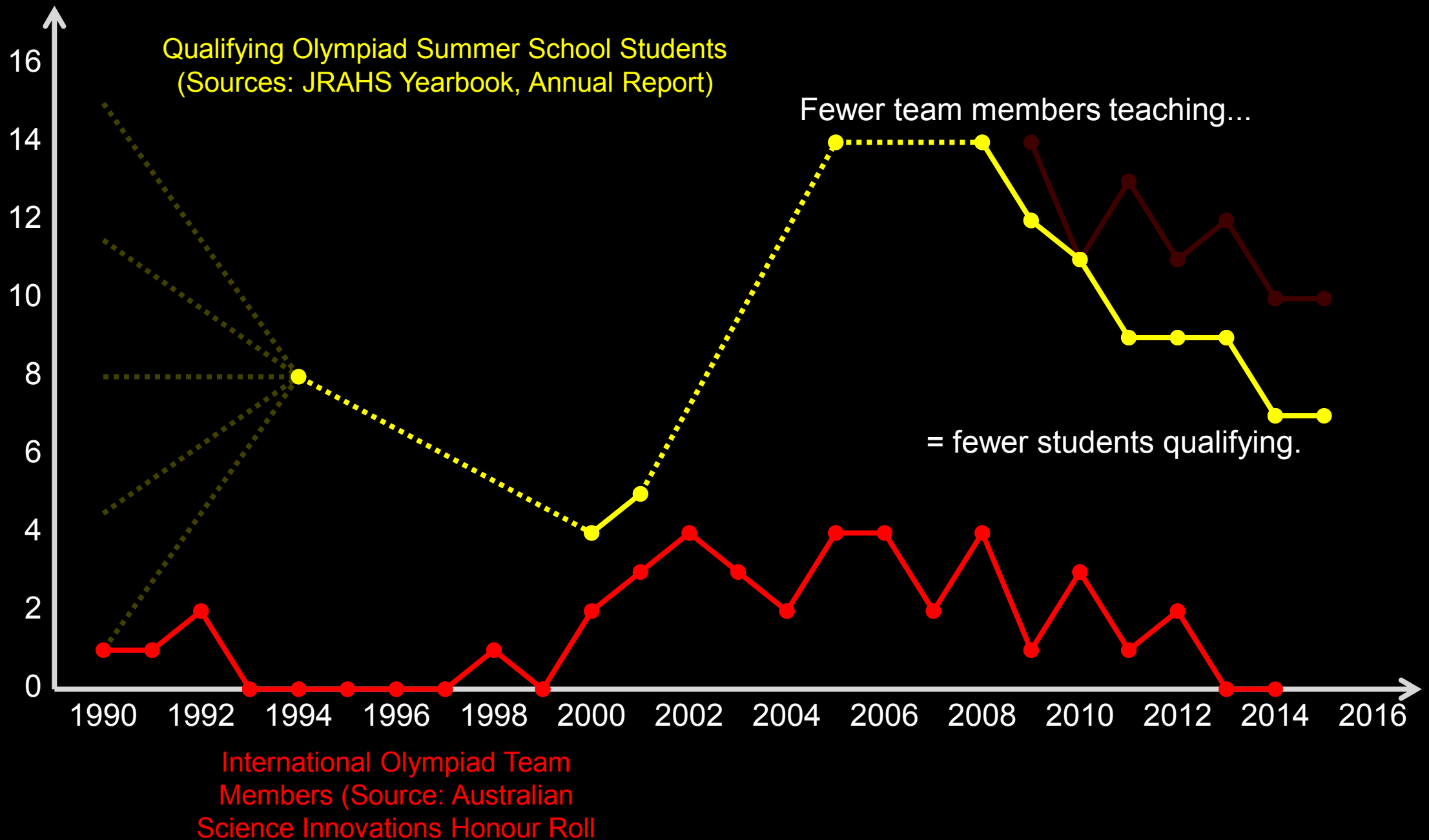
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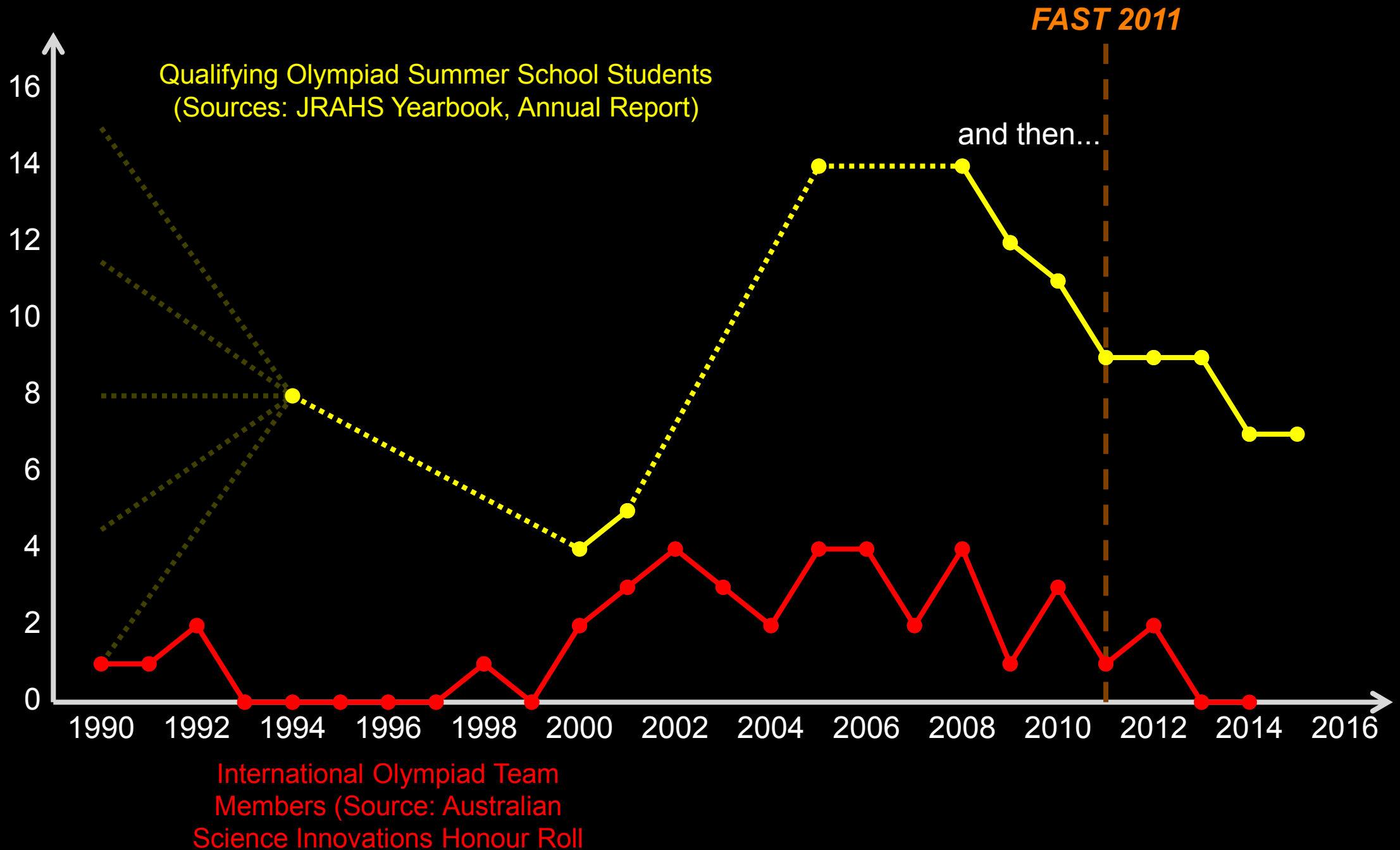
Does Science have the Answer?



Does Science have the Answer?



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Does Science have the Answer?

