

Singapore Mathematics Project Festival 2005

A report by
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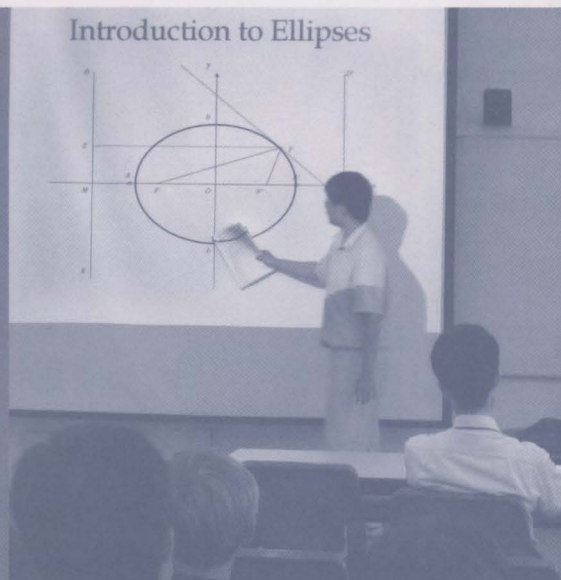
The Singapore Mathematics Project Festival 2005 attracted fifty-five teams of participants from twenty-four secondary schools. Five teams each from the Junior and Senior Sections were invited to the Festival Congress held at River Valley High School on 16 March 2005. A special talk for teachers and students entitled "What Makes a Good Mathematics Project?" by Assoc Prof Goh Say Song was given preceding the project presentations. More than two hundred teachers and students from various secondary schools attended the Festival Congress. After the project presentation, the teams were interviewed by the judges to probe further into their understanding of the project material.

The judges for the Festival were

Dr. Teo Kok Ming, (NIE),
Dr. Toh Tin Lam (NIE) and
A/P Zhao Dongsheng (NIE) for the Senior Section;

A/P Chew Tuan Seng (NUS),
Mr. Lawrence Neo (Nanyang JC) and
A/P Denny Leung (NUS) for the Junior Section.

The Society expresses its sincere gratitude to River Valley High School for allowing the use of its facilities to host the Festival Congress, the member of the teacher subcommittee at River Valley High School who did a wonderful job of organizing the Festival Congress, the judges for their time and effort, and to all the participating teams, supervising teachers and their school for the support they shown to the Festival.



Hang Hao Chuien of Hwa Chong Institution presented his project on 16 March during the project festival presentation at River Valley High.

Singapore Mathematics Project Festival 2005

The Singapore Mathematical Society is pleased to announce the results of the Singapore Mathematics Project Festival 2005.

Senior Section

Foo Kean Pew Memorial Prize (Senior Section)

Roulette: Wheel of Fortunes?
He Songhua, Zhang Feiran
River Valley High School
Supervisor: Mr Ang Mia Lee

Singapore Mathematical Society Shield (Senior Section)

River Valley High School

Silver Prize

Roulette: Wheel of Fortunes?
He Songhua, Zhang Feiran
River Valley High School
Supervisor: Mr Ang Mia Lee

Approximation & Mathematical Induction in Ellipses
Hang Hao Chuien
Hwa Chong Institution
Supervisor: Mr Hang Kim Hoo

Bronze Prize

The Sims Dilemma
Chloe Lian Ee-Jan, Doan Duc Huy, Tan Xiang Yeow
Xinmin Secondary School
Supervisor: Mdm Ee Ah Hong

Tiling for Maths
Lin Yu Cong, Teo Yik Ming, Abel Lee Zhen Yi
Deyi Secondary School
Supervisor: Mr Duncan Hiew Foo Kong

Special Prize in Overall Presentation

Roulette: Wheel of Fortunes?
He Songhua, Zhang Feiran
River Valley High School
Supervisor: Mr Ang Mia Lee

Special Prize in Originality

Approximation & Mathematical Induction in Ellipses
Hang Hao Chuien
Hwa Chong Institution
Supervisor: Mr Hang Kim Hoo

Junior Section

Foo Kean Pew Memorial Prize (Junior Section)

An Extended Tic-Tac-Toe Problem - Rows of N

Lim Wei Quan

Hwa Chong Institution

Supervisor: Mr Lee Teck Kong

Singapore Mathematical Society Shield (Junior Section)

Hwa Chong Institution

Silver Prize

An Extended Tic-Tac-Toe Problem - Rows of N

Lim Wei Quan

Hwa Chong Institution

Supervisor: Mr Lee Teck Kong

Tower of Hou-Noi

Yue Jing Li, Tan Yi Ren, Tang Tze Ren, Tan Hong Kai Gavin

Hougang Secondary School

Supervisor: Mr Chua Kah Hean

The Huffman Algorithm

Lim Wei Zhong

Hwa Chong Institution

Supervisor: Mr Lee Teck Kong

Bronze Prize

Crazy Credits

Christine Chen Rong Hua, Rebecca Goh Wenhui, Cheryl Tan

Methodist Girls' School

Supervisor: Mrs Grace Poh

The 4th Dimension: Time

Leong Wai Sum, Winston Chan Tung Tze, Brandon Kwan Wei Yuan, Teo Ming Cher

Raffles Institution

Supervisor: Mr Kelwyn Ng

Finding Out Your Patience Level with Mathematics

Seet Ing Hian, Jotham Tobiah Lim, Bryan Yam

Anglo-Chinese School (Barker Road)

Supervisor: Ms Ng Chin Yee Joanne

Singapore Mathematics Project Festival 2005

The Singapore Mathematics Project Festival 2005 is a celebration of the talents of the Singapore Mathematics Project Festival 2005

Junior Section

Bronze Prize

Tiling

Kong Ching Wan, Koshini Suhumaran, Goh Min Qi, Wong Seok Ching
Deyi Secondary School
Supervisor: Mr Duncan Hiew Foo Kong

Raw Recruits

Chieng Xuan Wen, Sek Wai Fong Jamie, Sng Si Jia Jessica, See Di Yao
Orchid Park Secondary School
Supervisor: Mdm Ng Yoke Lan

Polyhedra solids and Dices

Ser Zhang, Koh Tian Wei Jonathan, Ng Qi Han, Alfred Toh Kay Boon
Raffles Institution
Supervisor: Ms Peh Lian Hong

Special Prize in Overall Presentation

Tower of Hou-Noi

Yue Jing Li, Tan Yi Ren, Tang Tze Ren, Tan Hong Kai Gavin
Hougang Secondary School
Supervisor: Mr Chua Kah Hean