

Singapore Mathematics Project Festival 2001

The inaugural Singapore Mathematics Project Festival attracted thirty-six teams of participants from fourteen secondary schools. Five teams from each of the Junior and Senior Sections were invited to participate at the Festival Congress held at River Valley High School on 15 March 2001. Over a hundred teachers and students from various secondary schools attended the Festival Congress to watch the invited teams made presentations on their projects. Afterwards, the teams were interviewed by the judges to probe further into their understanding of the project material. The judges for the Festival were Professor Koh Khee Meng (NUS), Dr Chua Seng Kee (NUS) and Dr Tay Eng Guan (NIE) for the Senior Section; Assoc Prof Helmer Aslaksen (NUS), Dr Teo Kok Ming (Hwa Chong JC) and Miss Tan Ke-Xin (Temasek JC) for the Junior Section. Some of the projects submitted to the Festival are available at the website:

<http://www.math.nus.edu.sg/~smsweb/students/festival2001results.html> .

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

Winners of the Singapore Mathematics Project Festival 2001

• Foo Kean Pew Memorial Prize (Senior Section) •

Mathematics in Election

Yin Ying, Gao Yunzhong, Zhu Dacheng, Gu Ji
River Valley High School
Supervisor: Mdm Teo Soh Wah

• Singapore Mathematical Society Shield (Senior Section) •

River Valley High School

• Gold Prize •

Mathematics in Election

Yin Ying, Gao Yunzhong, Zhu Dacheng, Gu Ji
River Valley High School
Supervisor: Mdm Teo Soh Wah

• Silver Prize •

TOTO

Chan Yu Ming, Ong Zhi Xian, Preetjit Singh Gill
Clementi Town Secondary School
Supervisor: Mr Lee Yan Kheng

Paradoxes

Rachel Lin Yuexin, Lim Jietong, Chee Ru-Ern
Raffles Girls' School
Supervisor: Mrs Sia Wai Leng

• Bronze Prize •

The Mathematical Side of Illusion

Lee Chong Leong, Chua Thiam Hoo, Lee Tat Wee, Tay Chong Liang
Anglican High School
Supervisor: Mdm Chow Tai Hwa

Tangram

Liu Xue Jun, Tan Git Hou, Ooi Siow Moi, Tang Xue Yi Michelle
Bukit Merah Secondary School
Supervisor: Miss Chin Oi Khuan

Squeezing Through

Chen Ming Qiong, Xu Xiu Ling
Bukit Merah Secondary School
Supervisor: Miss Chin Oi Khuan

Bus Interior Design

Tan Wee Boon, Oh Yoong Siang, Lee Jun Lin
River Valley High School
Supervisor: Mr Choy Ban Heng

Candles

Sukhinderjit Singh Ludher, Lin Zhenqiang, Alvin Tamsir, Mah Kok Hui
Victoria School
Supervisor: Ms Lau Hui Bian

• Special Prize in Presentation •

String Designs

Noor Shahilah bte Abdullah, Tan Chiu Teng, Lim Jia Hui, Wong Sing Yee
Woodlands Ring Secondary School
Supervisor: Mrs Lim-Yap Hwee Leng

• Special Prize in Creativity •

Land of Graph Theory

Kang Hong Joo, Yeo Foo Yee, Yi Li, Zheng Shaoxuan
Chinese High School

• Foo Kean Pew Memorial Prize (Junior Section) •

Tchuka Ruma

Ang Xin Lin Priscilla, Lee Min Wai Serene, Sia Jia Min Charmaine
Raffles Girls' School
Supervisor: Mrs Sia Wai Leng

• Singapore Mathematical Society Shield (Junior Section) •

Raffles Girls' School

• Gold Prize •

Tchuka Ruma

Ang Xin Lin Priscilla, Lee Min Wai Serene, Sia Jia Min Charmaine
Raffles Girls' School
Supervisor: Mrs Sia Wai Leng

• Silver Prize •

Chekin' Knights

Chee Rong Can, Lee Hui Ling, Lai Jia Hui Joanne
Commonwealth Secondary School
Supervisor: Mr Leong Wai Lup

Binary Numbers

Cheryl Lim Hui Shan, Christy-Bell Goh, Lee Qinyi
Nanyang Girls' High School
Supervisor: Mrs Esther Chew

The Beauty of Mathematics

Lim Min Hwee, Loh Ying Bei, Wong Qian Ling, Tan Sin Sin
River Valley High School
Supervisor: Miss Tay Kim Noi

• Bronze Prize •

Improvised Mastermind

Lim Xiang Jun, Hu Heang Yee, Chan Yi Ling
Commonwealth Secondary School
Supervisor: Mr Leong Wai Lup

Tessellation

Justin Wong, Cheryl Ong, Wong Kok Yi
Fairfield Methodist Secondary School
Supervisor: Mrs Kan Hwee Meng

Calculating the Optimal Height Per Floor

Ang Wee Howe, Ang Ci Chuan, Ang Ching Hang
River Valley High School
Supervisor: Mr Choy Ban Heng

Art in Mathematics

Mohd Imran Bin Mohd Saleh
Victoria School
Supervisor: Mrs Ho Beng Huat

Special Prize in Originality

The Beauty of Mathematics

Lim Min Hwee, Loh Ying Bei, Wong Qian Ling, Tan Sin Sin
River Valley High School
Supervisor: Miss Tay Kim Noi

Special Prize in Presentation

Binary Numbers

Cheryl Lim Hui Shan, Christy-Bell Goh, Lee Qinyi
Nanyang Girls' High School
Supervisor: Mrs Esther Chew

Winners

Of the Singapore Mathematics Project Festival 2001

Festival Congress Presentations

*The
Mathematical
Side
of Illusion*

Senior

Chekin' Knights

Junior

Tangram

*Improved
Mastermind*

*Squeezing
Through*

Section

*Binary
Numbers*

Section

TOTO

*Tchuka
Ruma*

*Mathematics
in
Election*

*The Beauty
of
Mathematics*