



(All Divisions)

Although you are encouraged to follow this year's theme, you may choose to explore a scientific topic of your choice.

In this section you will create an interactive Game, Simulation or Presentation (or a combination of these) on a computer. Your creation must illustrate a **scientific concept** and **must** be interactive.

✓ *Tick that you have satisfied each of the guidelines below.*

Entry guidelines

- Your program must demonstrate scientific content and understanding of this content.
- If your project is a game, is it fun to play? Is there some variety in the game? Are the instructions clear? Is your work well organised?
- Is there some level of interaction for the user?
- Does your computer program incorporate good use of graphics and text?
- The program may be in any language - including Logo, HyperCard, HTML and Visual Basic; and programs such as Kid Pix, Hyperstudio, Micro Worlds and PowerPoint.
- If your project is a simulation, is the computer program the best way to demonstrate it? Can it be done better without using a computer?
- Is the program USER FRIENDLY and almost impossible to crash?
- Include with your Computer Program, a written explanation giving:
 - the aim of the program
 - what the program does
 - the intended audience for the program
 - clear instructions on the running of the program
 - a flow-chart setting out the logic and flow of the program
 - a list of references used, in the correct format (refer to page 23)
- The written explanation should be no more than two A4 pages, presented in a paper manila folder (not plastic) with a copy of the completed face sheet firmly attached.

- Your simulation/game should run for less than 5 minutes.
- Provide a copy of the program on disk clearly naming the computer used and the memory required.** Any accessories required must be supplied for judging purposes.
- Provide a second clearly labelled back-up disk** with your Name, ID Code and School Name (which will remain with your Judges).
- Be prepared to discuss your entry with a Judge on the Special Judging Day.

All Students attending Judging day **MUST bring their own Computer, Monitor, Leads and Power Boards** and any other necessary equipment.

No responsibility will be taken by STS for lost or damaged equipment.

Please ensure your entry is kept secure.

JUDGING DAY FOR COMPUTER PROGRAMS

Saturday 11 August 2012

Methodist Ladies' College,
Fitzwilliam Street entrance, Kew

Country entrants are **strongly encouraged** to attend Judging Day with their computer program and computer hardware to discuss their entry with Judges. If this is not possible entrants must include a written statement with their entry (not more than two A4 pages) summarising the scientific principles demonstrated by their program. Entries must be sent to STAV by 27 July.



All guidelines should be followed to avoid being disadvantaged during judging.