



## (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 a 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 14 August 2010**

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 30 July.



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