



(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.

Games or Simulations that simply input into existing software need to be entered into the 'Games' section.

A flow chart to help you with selecting the correct section (games or computer programs) to enter your game/simulation will be available on the STS website.

✓ *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?
- There must be a level of **interaction** for the user.
- Does your computer program incorporate good use of graphics and text?
- The program script or language may be varied - including HTML, VB. Net, Scratch, Game Maker, Unity, Python and for the young Prezzi, Powtoon or Power Point. NOTE: Interaction, input and reaction is required.
- 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 largely error free?
- Include with your Computer Program, a brief written explanation giving:
 - the aim of the program
 - what the program does
 - the intended audience for the program
 - how to start/run the program
 - a list of references used, in the correct format (refer to page 23)

- The written explanation should be about 1 A4 page, 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.
- Be prepared to provide a copy of the program on a clearly labelled usb stick or a shared drop box. See page 23 for naming your file**
- Be prepared to discuss both the science and the program used in your entry with a Judge on the Special Judging Day.

All Students attending Judging day **MUST bring their own Computer equipment**, if web connection is required, that is also the entrants responsibility.

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 5 August 2017

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 21 July.



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