



(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 or Simulation (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 and integrate scientific content and your 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, etc. NOTE: Interaction, input and reaction is required.
- 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 (instructions)
 - Explanation of the Scientific content upon which your game is based
 - Web link to a copy of your game. See page 23 for how to name your file! (Dropbox, Google Docs, Microsoft One Drive, etc)
 - 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.
- Acknowledgements and References - Make sure you include a list of people who gave you help/advice and outline the ways they helped you.

- Your simulation/game should run for less than 5 minutes.
- 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 entrant's responsibility.

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

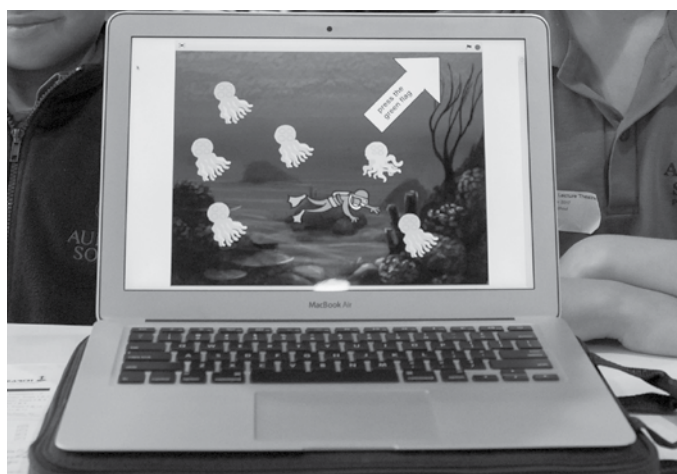
Please ensure your entry is kept secure.

JUDGING DAY FOR COMPUTER PROGRAMS

Saturday 3 August 2019

Wesley College,
577 St Kilda Rd, Prahran

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, and submit this electronically by 21 July.



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