



Online Judging – Oral Presentation Guidelines (3-5 minutes)

- Record your video using some of the suggested questions below.
- It is not compulsory for student(s) face to be in the video.
- **Upload to an online platform** e.g. Google drive, vimeo, YouTube and provide the **link** to the video in your report.
- **Teachers need to copy and paste the link of your video for online electronic submission.**
- The quality of the video itself will play no part in the judging, this is only needed for judges to see and hear the work to assess it fairly.
- Save video file in the following format: Video_SurnameFirstname_title_entrycode

USEFUL QUESTIONS FOR ORAL PRESENTATION

WORKING MODELS & INVENTIONS

1. How to use the device.
2. The function of the device (i.e. how well does it work?).
3. The design of the device (i.e. parts and materials used/suitability/design brief) problems you encountered and how you overcame them.
4. What scientific principles does your device demonstrate? (the problem you have chosen to solve and how well your device addresses this problem).
5. You must show your device in operation (if applicable).

COMPUTER PROGRAMS

Part One (3-5 minutes) – This part is in the event your program does not run for the judge.

1. Close up video of the Computer Program screen as you fully demonstrate the program itself.
2. You may narrate as you move through the program demonstration.

Part Two (3-5 minutes) – This is your oral presentation.

1. Aim and purpose of the program (don't forget to include the age range your program is intended for).
2. Summarise the scientific idea and content of the program.
3. Explain how you 'programmed' or created your project, including the programming language you used.
4. Provide a link to the game/program as well as instructions on how to play the game.

GAMES

1. Introduce your game: target audience, topic you have chosen, and the issue(s) involved.
2. Briefly demonstrate your game explaining:
 - a. The science the game is intended to teach.
 - b. How it promotes problem solving and concept development.

POSTERS

1. State the topic you have chosen and how it relates to this year's theme.
2. Explain the scientific and technical principles involved (refer to the diagrams you have used).
3. Explain the significance and impact that the topic has in the real world (refer to the diagrams you have used).
4. Address Poster guidelines: Poster size, text visible from 1m and word limit.

SCIENCE PHOTOGRAPHY

1. Introduce your project: Aim and topic.
2. Explain the scientific principles/topic behind your photos and why you chose the images.
3. Explain the techniques you used to produce your photos/images.

VIDEOS (This is your oral presentation to be added to your Video Production)

1. What inspired you to do this topic?
2. Tell us about your video (what do you expect the audience to see?).
3. What scientific principles are demonstrated by your video?
4. What resources did you use?
5. Did anyone help you put together the show? Who did the camera work?
6. How long did it take to do?
7. What did you learn?
8. Did you have to edit? How did you do this?

CLASS PROJECTS

1. What decisions did your class have to make during the experimental research?
2. What science have you learnt from doing this research project?
3. When doing experimental research, what important skills must you use?
4. How was the workload distributed amongst the members of your class?
5. How does the scientific learning extend beyond the classroom (wider world applications).
6. Science celebrates errors. What problems and/or errors occurred during the experimental process?