

Category 2: Scientific Communication

Scientific Photography

In the scientific photography section participants are asked to submit between three and six photographs which record some scientific event or illustrate some scientific phenomenon. The photographs must be linked by a common theme. The topic may be based on any scientific theme or you may use National Science Week theme for this year *Drones, Droids and Robots*.

Developing scientific photographs involves:

- selecting an idea or theme
- select subjects and location for photographs
- conducting a Risk Assessment*
- take photographs
- add any special effects or manipulation of photographs to help get the message across
- print photographs
- display photographs

** It is important that a risk assessment is completed before conducting taking photographs. A **Risk Assessment Form** is required to be submitted with the entry.*

A successful STS scientific photograph entry:

- has accurate science content.
- will communicate ideas clearly, each photograph expressing a single idea within the topic.
- will contain good quality photographs.
- will have the photographs displayed effectively
- will show creativity and originality.

Entries will be judged on their:

- originality and creativity
- communication of ideas
- scientific relevance of photographs
- impact of presentation

Category 2: Scientific Communication – Scientific Photography

Entry guidelines

Tick that you have satisfied each of the requirements below.

Content

Your entry should include:

- entry label attached to the top right-hand corner of title page
- written report following the headings described below
- Risk Assessment Form (if required)
- photographs

You are required to:

- provide three to six colour or black and white photographs on a science theme or idea of your choice.
- conduct a risk assessment before you take your photographs if using science equipment or you could be harmed whilst taking the photographs. Include a Risk Assessment Form with your entry.
- ensure all production work is your own including any special effects or manipulation. Commercial developing may be used.
- use any type of camera, including optical and digital.
- produce a written report (no more than 800 words) which includes:
 - **Title page**
 - **Aim** - *State clearly what you intended to do in terms of your topic and the photography.*
 - **Method** - *State clearly how you set up and took your photographs (images). Include information about the type of camera, other hardware and software you used and how you altered the images (if relevant).*
 - **Scientific Content** - *Describe the scientific principles or ideas you are displaying in your photographs and the relevance of the particular photographs you have selected.*
 - **Acknowledgements and references** - *All research is based on some background information therefore a reference list must be included. You should list the books, journals and websites you referred to and the people who gave you help or advice.*

Presentation

- Each photograph should be mounted on single sheet of light weight A4 card. No glass, wood or heavy frame or backing is permitted.
- Each mounted print should include a caption or short statement linking it to the entry title.
- STS entry number should be written on the back of each photograph.
- The photographs, entry form, written report and Risk Assessment Form (if required) should be submitted in a manila folder or envelope (not plastic).