



Getting Your Students Involved...

Science in Salamanca is about connecting art, science and the community. Students (upper-primary and secondary school) are invited to become involved through:

- Communication with scientists
- Creating their own artworks
- Developing a multimedia presentation
- Live performances

Students are encouraged to interpret key scientific themes by exploring the *Science in Salamanca* website (<http://www.science-in-salamanca.tas.csiro.au>) and learning about the current research of ten Tasmanian scientists. Images of scientists' work can be downloaded and used in student interpretations, and links to sites with more details are included.

Student contributions are an important and integral part of the *Science in Salamanca* Festival.

Scientific Themes:

Marine Ecology, Climate Change, Genetics, Nutrition, Antarctica

Science Topics and Scientists:

1. Larval development and metamorphosis – Russ Bradford
2. Sperm whale strandings – Karen Evans
3. Microalgae – Jeannie-Marie LeRoi
4. Introduced marine pests – Caroline Sutton
5. Ocean currents – Dr. George Cresswell
6. Deep sea ecology – Dr. Alan Williams
7. Oceanography and global climate change – Dr. Steve Rintoul
8. Antarctic food webs – Dr. Simon Jarman
9. Tuna biology – Naomi Clear
10. Fish oils – Dr. Peter Nichols

Talking with Scientists:

Information on the themes based on the work of ten listed above can be found on the website. Students can email questions to scientists directly with answers displayed on the website.

Website: www.science-in-salamanca.tas.csiro.au



Artwork Competition

Create your own artistic interpretation of science...

Create a 2D work (painting, drawing, collage, digital image) based on one of the ten scientific topics discussed on the website. Selected artworks will be exhibited as part of the *Synergy Too* exhibition and all artworks will be digitally photographed and exhibited on the online gallery.

The student exhibition is one of three concurrent exhibitions for *Science in Salamanca*. Each exhibition will display the interpretations of the same ten science topics by three different sectors of the community:

1. Professional artists working directly with the scientists – *Synergy*
2. School students – *Synergy Too*
3. Tertiary students – *Binding Synergy*

Guidelines:

- Size: at least A2 (4 x A4)
- Paper: mounted on thick cardboard
- Style: 2D image, painting, drawing, collage, digital image
- Subject: must be based on one or more of the ten science topics discussed on the website

Deadline for artworks is 9 August:

- Arrange pickup through Caroline Sutton or mail/submit directly to Antarctic Adventure; 2 Salamanca Square, Hobart, Tasmania, 7000
- Artworks must include student's name, class, school and contact details to enter the competition

Artworks will be hung on fishing net and therefore should not be too heavy.

Awards:

Prizes will be awarded for each age group in the following categories

- Scientific interpretation
- Artistic content
- Interpretation that is most relevant to life in Tasmania
- Schools with the highest percentage participation

For more information contact:

Caroline Sutton, CSIRO Marine Research,
Ph: 03 6232 5386 email: Caroline.Sutton@csiro.au

Website: www.science-in-salamanca.tas.csiro.au



Multimedia Competition

Combining science, art and technology...

Combine science, art and technology to create a multimedia presentation with your interpretation of one of the scientific themes. Collect and create graphics, sounds, video clips, animations and text and combine them in a creative way. You could tell a story, go on a journey or create a collage – whatever fits your interpretation of the chosen theme best. Presentations will be on display at Antarctic Adventure as part of the *Synergy Too* exhibition and selected entries will be featured at the *Science in Salamanca* launch.

Guidelines:

- Your presentation must be based on one or more of the ten scientific topics.
- No longer than 2 minutes in duration.
- No larger than 650MB (one CD-ROM) in size.
- Group entries are permitted.
- Include credits at the end of your presentation stating your name(s) and acknowledging any resources you have used.

Music and Graphics:

- Choose any music, graphics or sounds but you must acknowledge the source
- OR use the selected music theme, which you can download from the website.

Media Format:

- All entries must run using Microsoft PowerPoint on a Windows PC.
- You may include videos and graphics in your presentation.

Deadline for presentations is 9 August (entries after this date will not be included in the festival launch)

- You will need to submit the presentation and supporting audio/graphics via email (Andrew.Gillies@utas.edu.au) or mail a CD-ROM or floppy disk (Caroline Sutton CSIRO Marine Research, Castray Esplanade, Hobart, 7000)
- Include student's name, class, school and contact details to enter the competition

Awards:

We are looking for creative and dynamic ways to present scientific themes using multimedia. Prizes will be awarded in each of the following categories:

- Scientific content
- Artistic content
- Science / art integration
- Best use of technology
- Best use of original media

For more information, contact:

Andrew Gillies, CSIRO Science Education Centre
Ph: 03 6231 2078 email: Andrew.Gillies@utas.edu.au

Website: www.science-in-salamanca.tas.csiro.au



ReACTions

Interpreting science through student performance...

Ever thought of mixing science with drama – and the reaction this could create?

ReACTions involves students devising and performing science drama related to one of the themes of *Science in Salamanca*. Information on these themes can be found on the website. Performances can include drama, dance, music and mime – and will be presented at the Peacock Theatre on Saturday 24 August.

ReACTions aims to:

- Bring science to life through drama
- Help students to develop skills in both science and drama, through researching the topic, developing the script and presenting the production
- Encourage self-confidence and creativity
- Put a public face on a school's achievement with science and theatre.

Guidelines:

- An entry will be a theatrical presentation devised and performed by the students, no more than 20 minutes in length.
- Some ideas for presentations: a specific scientific concept, a related issue, the life and work of the scientist, or the relevance of the science to daily life.
- The set must be assembled and struck by members of the group and five minutes will be allowed at each end of the performance.
- The groups will also need to provide an A4 portfolio of written materials (including the performance script and any lyrics of songs used).
- Groups will be limited to a maximum of 25 performers per school.
- Schools should seek permission if they intend to use any published material (text, music or visual); this should be acknowledged in the entry portfolio.

Deadline for entries is 9 August:

- Schools should video their performance and submit their video to Caroline Sutton at CSIRO Marine Research, Castray Esplanade, Hobart 7000.
- School selected as finalists will perform at Peacock Theatre Saturday 24 August

Awards:

Prizes will be given to schools on the basis of merit in the following categories:

- Content
- Technical ability - acting
- Technical ability - stage craft/stage design
- Costumes
- Creativity

For more information contact:

Jeannie-Marie LeRoi, University of Tasmania

Ph: 03 6226 7477 email: JeannieMarie.LeRoi@utas.edu.au

Website: www.science-in-salamanca.tas.csiro.au