

SCIENCE

- 1 All competitors must enter their work at the County/Regional Eisteddfodau. **The first winning piece in all of the Primary Section competitions and the first and second in the Secondary Section competitions will represent their County / Region at the National Eisteddfod. The first and second from the region hosting the Eisteddfod will be allowed to compete in the National Eisteddfod.**
1. The names of winning competitors will be submitted by the County/Regional Secretary to the Eisteddfod Dept, as a natural result of the regional adjudication. Names submitted by any other person will be disregarded.
2. **Language policy:** Welsh is the language of the Eisteddfod. The use of another language except Welsh shall only be allowed in exceptional circumstances and for emphasis only.
3. An Exhibition of the winning entries in the Science Section will be organised by the Art, Design and Technology Committee on the Eisteddfod Maes. No one is permitted to take his/her work from the Exhibition during the Eisteddfod week.
4. These are all competitions for individuals unless otherwise stated.
5. "Group work" means work for a group of two or more.
6. In order to protect 2D work it is permitted to mount items on paper or thin card with a border of no more than 25 mm. Window mounts and frames **must not** be used. The 2D work will be professionally mounted for the National Exhibition.
7. The name and number of the competition should be noted on the official card and placed **on the back** of every item or section of an item, and **not** on the front.
8. Competitors are not permitted to compete more than once in any competition within a specific section.
9. The work in the Design and Technology section (numbers 310 – 316, 413) can be based on the theme, but competitors have the freedom to choose their own subject

SCIENCE PROJECT

Create a science project in the field of Science, Design and Technology, Engineering, or Mathematics. The

focus of the project should be in the format of Research Work, Investigation or Presentation. Competitors may

use profile/project **Crest, EESW or the like** if they so wish. The work must be presented in Welsh on paper or in an electronic format. The competitors may choose their own theme and some suggestions can be seen on the website www.britishscienceassociation.org/crest-awards or www.stemcymru.org.uk.

It is expected for competitors to present a report up to:

- 1,000 words for age Year 7 – 9
- 2,500 words for age Year 10 and under 19

The project must reach the Eisteddfod Office, Gwersyll yr Urdd Glan-lyn, Llanuwchllyn, Y Bala, Gwynedd LL23 7ST by **1 March 2016**. Only full members of Urdd Gobaith Cymru are allowed to compete in the Eisteddfod and no one is considered a full member unless they have paid their

membership fee and received their card and membership number for the year 2015/16. Membership can be obtained through our website urdd.cymru.

Some of the winning entries will be invited to exhibit their work in the GwyddonLe on the Eisteddfod Maes 2016.

To receive a Crest Award the teacher must register the pupils before hand and some cost is connected with this. More information is available on www.gweld-gwyddoniaeth.co.uk, www.stemcymru.org.uk or by contacting crest@gweld-gwyddoniaeth.co.uk 02920 801 644

297. Science Project Year 7 – 9 (Individual or Group)
298. Science Project Year 10 and under 19 (Individual or Group)

CAD

A series of four designs created with the aid of a computer and presented using Prodeskop, Techsoft, Speedstep, or any other similar software.

299. CAD Year 7, 8 and 9
300. CAD Year 10 and 11
301. CAD Year 12 and under 19 years old

CAD / CAM

One item that has been designed and produced with the aid of a computer. Design and produce a product by using software and machines such as Roland, Denford, Boxford, Jerome a Brother.

302. CAD / CAM Years 7, 8 and 9
303. CAD / CAM Years. 10 and 11
304. CAD / CAM Years 12 and under 19 years old

Creating an App

A competition to create a digital game using the Urdd as an inspiration. It could be an App for a mobile device, tablet (or both), or an App which may work within a website. The App may be presented on paper or digital in WORD, PDF or FLASH format, noting its function i.e. what is its purpose, how it works etc. A design of the idea must be included. Templates for tablets may be down laded free of charge from Interface Sketch. The use of 3rd party software i.e. Scratch is permitted. **All entries must be sent by 1 March 2016** to Adran yr Eisteddfod, Gwersyll yr Urdd Glan-Ilyn, Llanuwchllyn, Y Bala, Gwynedd. LL23 7ST or cyfansoddi@urdd.org

The Prize – a day with a games developing company and the possibility of publishing the game.

The competition will be adjudicated by a representative of S4C.

305. Create an App Year 7, 8 and 9
306. Create an App year 10 and under 19 years old
307. Create an App under 25 years old with the exception of school pupils

Create a Website

Create a series of at least 3 connecting web pages in Welsh (or bi-lingual with priority given to the Welsh language)

The work must be available to view online before you send your application form to us.

All the work will be judged on line and must remain untouched until 1 July 2016.
In order to apply, please complete the online application form which is available on our website [urdd .cymru](http://urdd.cymru). by 1 March 2016 A confirmation e-mail will be sent to you within 7 days of receiving your application.

- 308. Create a Website Years 6 and under (Individual or Group work)
- 309. Create a Website Years 7, 8 and 9 (Individual or Group work)

Design and Technology

A piece of work which reflects a response to a specific need through the use of materials such as card, wood, metal, plastic, textiles and various components. Evidence in Welsh explaining the process and development of your design must be included. Work in the Design and Technology category may be based on the theme but competitors also have the freedom to choose their own subject.

- 310. Design and Technology Year 2 and under
- 311. Design and Technology Years 3 and 4
- 312. Design and Technology Years 5 and 6
- 313. Design and Technology Years 7, 8 and 9
- 314. Design and Technology (Group Work) Year 2 and under
- 315. Design and Technology (Group Work) Years 3 and 4
- 316. Design and Technology (Group Work) Years 5 and 6

The Art Design and Technology Medal

413. Design and Technology under 19 years

Present one unit of Design and Technology work.

Work from any Design and Technology section under 19 years old listed in this Syllabus may be presented.

Evidence in Welsh explaining the design process must be included. There are no restrictions on size

***The best individual work, as well as competitors in the Art competition under 19 (page 35) will be considered for the Art, Design and Technology Medal.**

Mobile Graphics

Create a mobile graphic based on the theme as an individual or in a group.

Any suitable software may be used.

Format: Any format presented digitally

Time: No more than 1 minute

Dimensions/Speed: 1024 pixel x 576, 25 frames per second.

Note: copyright rules must be taken into consideration.

- 317. Mobile Graphics 18 – 25 years old

Digital Content

Create a part of a video content (film or animation or presentation) by an individual or group.

Format: Any format presented digitally

Duration: No more than 3 minutes.

Please note: You must be aware of copyright laws.

318. Film or animation - Primary age

319. Film or animation - Secondary age

ADJUDICATORS

Artefact/Design and Technology: Andrea Davies, Jan Davies

Creating a Website: Simon Profitt

Digital Content: Chris Oakley

Computer Graphics/ a combination of Photography and Computer Graphics: Chris Oakley