SCIENCE

1. The closing date for the **Science Project, Construction, Creating an App, Digital Contents, Creating a Websites, Child Care and Mobile Graphics is 1 March 2017.** To present the work successfully follow the rules and guide-lines in the Literary section
Literary rules and guide-lines are found on page 59

2. The **CAD, CAD/CAM, Design and Technology and the Design and Technology Medal** competitions must go through the Regional Eisteddfodau. Competitors must register to compete through the website www.urdd.cymru by the relevant closing date for the Region. 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.
The rules and guide-lines for the Craft section are found on page 11

3. **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.

4. 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.

5. "Group work" means work for a group of two or more.

6. Competitors are not permitted to compete more than once in any competition within a specific section.

SCIENCE PROJECT
The Task

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-llyn, Llanuwchllyn, Y Bala, Gwynedd LL23 7ST by **1 March 2017.** Some of the winning entries will be invited to exhibit their work in the GwyddonLe on the Eisteddfod Maes 2017.

To receive a Crest Award the teacher must register the pupils before hand and some cost is connected with this.

311. Science Project Year 7 – 9 (Individual or Group)

312. Science Project Year 10 and under 19 (Individual or Group)

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

CONSTRUCTION
The Task

Create a self-sufficient house i.e. one which is not on the National grid but which uses Welsh building materials

- The plan should be presented on one piece of paper/card size A1

- The entries should be sent to Adran yr Eisteddfod, Gwersyll yr Urdd Glan-llyn, Llanuwchllyn, Y Bala, Gwynedd LL23 7ST by **1 March 2017** together with the competitors personal details which should include, Competition Number, Full Name, Date of Birth, Membership number, name of Adran/Aelwyd and name of College and Region.

- It is recommended that any entries sent through the post should be registered. Every care is taken of the work however the Urdd do not take responsible for any loss or unavoidable damage that may occur.

- The Urdd reserve the right to publish all or some of the wining entries and to use them for the purpose of the movement in the future without obtaining consent from the authors.

- The wining entries will be displayed in the Art Design and Technology Pavilion on the Eisteddfod Maes,

313. Construction Year 10 and under 19 years

314. Construction 19 – 25 with the exception of school pupils

CREATING AN APP

The Task

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 2017** to Adran yr Eisteddfod, Gwersyll yr Urdd Glan-llyn, Llanuwchllyn, Y Bala, Gwynedd. LL23 7ST or cyfansoddi@urdd.org

315. Create an App Year 7, 8 and 9

316. Create an App year 10 and under 19 years old

317. Create an App under 25 years old with the exception of school pupils

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.

CREATING A WEBSITE
The Task

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 2017.
- In order to apply, please complete the online application form which is available on our website urdd .cymru. by 1 March 2017

  A confirmation e-mail will be sent to you within 7 days of receiving your application.

318.   Create a Website Years 6 and under (Individual or Group work)

319.   Create a Website Years 7, 8 and 9 (Individual or Group work)

DIGITAL CONTENT
The Task

Create 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.

320.   Digital Content - Primary School age

321.   Digital Content - Secondary School age

MOBILE GRAPHICS
The Task

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.

322.   Mobile Graphics 18 – 25 years old

CHILD CARE
The Task

Create a plan and/or a game which will promote the use of the Welsh language in children in the early years to be used when you go out on your work experience. i.e. a game to teach them to count from 1 – 10/ colours / animal names / parts of the body / shapes / simple verbs i.e. singing, playing etc / simple adjectives i.e. big, small etc
The work can be based on the theme but competitors may choose their own subject. The winning entry will be used in a nursery.

The work will not appear in a Regional round. It should reach the Eisteddfod Office by 1 March 2017

177.   Child Care year 10 and under 19 years old   (Individual or Group)

178.   Child Care under 25 except for school pupils (Individual or Group)