

# INTERNATIONAL EDUCATIONAL INFOGRAPHIC CONTEST

## THE SUN AT A GLANCE

### Contest rules

<https://est-east.eu/contest>

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## 1 Introduction

This document describes the official rules of the contest *The Sun at a glance* organised by the European Solar Telescope (EST) consortium.

The objective of the contest is to encourage students to design an infographic (images and text) that explains a solar phenomenon or some particularity of solar telescopes, including EST.

Information on how to enter the contest and the prizes is given in these Official Rules.

To the extent of any inconsistency, these Official Rules prevail.

## 2 Engaging the educational community

### 2.1 Motivation

The Sun is the most important star for humans.

This contest aims to encourage students to learn about our star and to create a visual summary of their research in the form of an infographic. This format is very suitable for cross-disciplinary and collaborative work.

The infographics submitted to the contest will be used to set up and populate the EST Solarpedia, a solar encyclopedia that will be hosted on the EST website and will cover a broad range of topics by means of infographics, with attribution to their authors.

In this way, the EST project wants to give visibility to the students' work while creating a valuable educational resource open to the teaching community and the general public. Designs will be shared under a Creative Commons [BY-NC-ND 4.0](https://creativecommons.org/licenses/by-nc-nd/4.0/) International License.

Every participant will receive a certificate signed by the President of the European Association for Solar Telescopes ([EAST](https://www.east-solar.org/)).

### 2.2 Participants

The contest is open to groups of **students of 14-15 and 15-16 years of age by the submission deadline**. Working teams should consist of four (exceptionally three) students, plus a leading teacher.

The contest is open only to the teaching community in any European Union country plus Andorra, Iceland, Liechtenstein, Norway, Switzerland and the UK. The contest is not open to companies or individuals.

## 2.3 The teacher, the essential person

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The teacher is the person who motivates the students to participate in the contest and manages all aspects of the organisation required within the school. The teacher will be the contact person, will sign up for the contest, will schedule the activity within the teaching plan, will seek the help of other fellow teachers, and will submit the design, among other tasks.

This contest is intended to develop several aspects of the syllabus at the same time, so STEM, English, Arts and IT teachers are all encouraged to work together with the students to enhance their creations.

EST considers the teacher as an essential piece of the contest without which this activity cannot be carried out.

## 3 Choosing the subject

Each team will have to create an original infographic about some aspect related to solar research that is clear, attractive, and understandable to the general public. Infographics can deal with a wide range of topics, from the properties of the Sun or any of its features and Sun-Earth relations to the principles of solar observation, telescopes, and solar instruments.

An extensive list of suggested topics can be found on the contest [website](#), but the subject is free (as long as it is related to the Sun):

- The Sun as a star
- The Sun as a physics laboratory
- Sun structure
- Solar atmosphere
- Solar magnetic fields
- Solar features
- The eruptive Sun
- Solar cycle
- Space weather
- Sun-Earth relations
- Solar observatories
- Solar telescopes
- European Solar Telescope
- Space missions
- Solar instruments
- Telescope systems
- Solar observations
- Solar history
- Famous solar physicists
- Societal aspects

### 3.1 Giving you an idea

An infographic is a collection of images, charts, and minimal text that provides an easy-to-understand overview of a topic. As in the examples below, infographics use striking, engaging visuals to communicate information quickly and clearly. More examples can be found on the contest [website](#).



**Credits:** ¿Qué es un solsticio? (Universo de Galilea). Marine Monsters (Nature). A day on Mars (UPWARDS H2020 project). Dust on Mars (UPWARDS H2020 project).

## 4 Registration

- Teams must register to participate in the contest. There is no fee to enter the contest.
- Registration must be done by the teacher leading the student's team. The teacher must seek permission from the parents/legal guardians of the students to participate in this activity.
- Registration will open on **June 1** and close on **October 30, 2022**, at 23:59 CET.

- The registration form is available on the EST website at <https://est-east.eu/contest>.
- The information required to register includes (1) the school's name and website; (2) the name, email address, telephone, and country of residency of the teacher; and (3) the students' names and birth dates.
- To give visibility to the participating teams, EST will generate a public database with the following information: school's name and website, teacher's name, number of teams led by the teacher, and students' names. This database will be hosted on the contest website.
- In the registration form, teachers may choose not to make the students' names public.
- Accepting the rules constitutes permission for EST to use participant's names, school name and country of residence for reporting purposes. Further personal data may be requested for statistics and communication purposes.
- Accepting the rules constitutes permission for EST to add the submitted infographics to an online encyclopedia about the Sun that will be hosted on the EST website. The infographics will be shared under a Creative Commons BY-NC-ND 4.0 International License, with proper author attribution.

## 5 Submission guidelines

- Designs must be submitted using the online form available at <https://est-east.eu/submission-guidelines>. Submissions must include the final design and pictures of the process.
- Not more than one design may be submitted by the same group of students. The same teacher is allowed to submit as many designs as groups he/she is leading.
- Designs must be submitted by the teacher leading the students' team. Entries submitted by students will be automatically disqualified.
- Designs will be submitted as PDF, TIFF, or PNG files, in 16:9 landscape or vertical format, with the shortest side at a minimum resolution of 2048 pixels, and no compression. The size limit is 10MB for the infographic and 5MB for pictures.
- Designs can be submitted anytime after registration. The deadline for submitting designs is **December 20, 2021**, at 23:59 Central European Time.
- EST will not assume any responsibility for late submissions or corrupted files. Likewise, EST will not be held responsible for technical errors that prevent participants from sending their materials within the deadline.
- Incomplete submissions, submissions that do not follow the above-mentioned specifications, and submissions not related to the topic or that engage in obscene, racist, violent, or defamatory content, will be automatically disqualified.
- EST reserves the right to disqualify any participant or submission at its sole discretion.

## 6 Prizes

There will be three prizes:

- The two best designs will win a trip to Tenerife (Canary Islands, Spain) to visit Teide Observatory and the various European solar telescopes in operation there.
- The third prize will be an H-Alpha solar telescope package. It will remain the property of the school.

Subject to the legal requirements outlined in this document, the winning designs will be announced on the EST website and social media profiles by **January 28, 2022**.

Travel (only from and to an EU/EFTA country and the UK), accommodation and per diem allowance will be paid by EST. It is the responsibility of the winners to have any necessary personal documents to travel to Tenerife (e.g., passport, visa, and all COVID-19 certificates required by the authorities).

The trip will take place around Easter (mid April 2022). If the COVID-19 pandemic does not allow travel at that time, travels will be replaced by an advanced H-Alpha solar telescope for each winning school, of the same price as the trip.

Judges appointed for the purpose will select the winning designs. Their decision will be final. No appeal process will take place.

EST reserves the right not to select a winner, at its sole discretion, if no suitable designs are received.

## 7 Jury

The jury will be international and multidisciplinary. It will include solar physicists, science communicators and design experts.

## 8 Evaluation criteria

### 1. Adequacy and relation to the suggested topic

The infographic clearly reflects the proposed themes (the Sun, Sun-Earth relations, solar observations, solar telescopes).

### 2. Approach to the subject

The infographic presents the information in a clear and concise manner and is supported by an attractive design.

### 3. Technical and aesthetic quality

Consideration will be given to composition, colour and typography, which result in a visually appealing infographic. The participants are free to choose whatever technique they prefer (for example, abstract and intuitive, realistic or three-dimensional, artistic). All of them will be taken into consideration equally.

#### **4. Originality of the proposal**

The infographic represents a new way of approaching the subject. The infographic does not copy similar images already famous in the design or scientific field.

#### **5. Capacity of the composition to provoke sensations and suggest scientific reflections.**

The infographic allows us to broaden our reflection on the proposed theme, serving as a starting point for new ways of approaching it, and contributing new aesthetic values.

## **9 Intellectual property**

All submitted work must be original and not based on any pre-existing design. It is the sole responsibility of each participant to ensure that the design does not infringe copyright, privacy rights, regulations, orders or directions of any third party.

EST assumes that, upon submission, the participants own the copyright of the submitted design. If claims or legal proceedings are brought against EST as a result of copyright infringement, the participant will be held responsible and will fully indemnify EST and any other parties, as well as cover any legal fees that may arise.

Depending on the number of submissions, all designs or a selection of them will become part of the educational resources of EST, that can be viewed on the project website. They will be shared under a Creative Commons BY-NC-ND 4.0 International Licence. This license allows users to copy and distribute the material in any medium or format without modifications, for non-commercial purposes only, and only so long as attribution is given to the authors.

The copyright of all submitted infographics will remain with their creators.

## **10 Privacy policy**

EST is committed to protecting and respecting privacy.

In accordance with the Data Protection Act 2018 and the General Data Protection Regulation (GDPR) 2016/279, the EST privacy policy explains when and why EST collects personal information, how it uses it and the conditions under which it may disclose it to others, for the purpose of the present contest. Download the current policy at <http://est-east.eu/privacy>.

## **11 Acceptance**

Registration constitutes the participant's full and unconditional agreement to and acceptance of these terms and conditions.

In the online registration form, participants will check a box to accept these terms and conditions. They will also indicate they have parental/legal guardian permission to register the students, and that the students are not under any conflict of interest.