

REGULATION
on holding XV International Fair of scientific and technical works of high school students «Scientists of the Future» (Russian FAIR) as part of the All-Russian Festival of Science in 2024

Features of the participation of foreign Participants

Every team consists of no more than 5 schoolchildren and 2 leaders (or accompanying persons).

1. Categories of the Fair

- physics and astronomy;
- mathematics;
- chemistry;
- biology and Life sciences;
- programming;
- geology and Earth sciences;
- technology and engineering Sciences;
- digital technologies;
- medicine

The organizers of the Fair can add other nominations.

2. Requirements for participants

1. High school students (according to Russian grades 9-11)
2. Individual or team (performed by no more than two schoolchildren) are allowed.
3. The projects submitted for the Fair must be completed by the students themselves. The role of the Scientific Advisor is to set the research problem and provide scientific advice.
4. The language of the Fair is Russian, for foreign participants - Russian or English.

3. Requirements for projects

1. Projects that are purely demonstration, informational messages or the results of an abstract study of literature are not eligible for the Fair.
2. Investigation must be carried out with necessary requirements for safety and not pose a danger to the life and health of young researchers and their environment.
3. Scientific fraud (plagiarism, fake, usage or presentation of other people's research, etc.) or misbehavior towards other participants is unacceptable at any stage of the research process or Fair.
4. By registering an application, the participants of the Fair and their supervisors agree to grant the Organizers of the Fair permission to process their personal

data, publish abstracts, videos, photos and information about the authors and their supervisor in print and electronic form.

4. How to apply

4.1. Before FAIR

Step 1.

Potential participants (team leader(s)) before September 1 send their request for participation to the Organizing Committee of the competition at uchenye@festivalnauki.ru

The application is written in any form, it is advisable to indicate the country, the number of proposed participants and the categories in which they can perform. Short abstracts (no more than 1 paragraph) are welcome.

Step 2.

The Organizing Committee informs you in a response letter about the possibility of participation and the conditions of participation.

Step 3.

Team leader(s) before **September 15** sends to the Organizing Committee:

1. Registration form (Application No. 1) for both Team leaders and all participants
2. Information about project and abstracts (separately for every project) (Application No. 2)
3. Video (1 min long) for every project (Application No. 3)

4.2. During FAIR

1. Each participant of the Fair is provided with a separate stand for placing and presenting his project to the jury and other participants. Requirements for the preparation of the stand are set out in Application No. 4

Criteria for evaluating projects at the internal stage of the Fair:

- 1 The participant's ability to explain their own contribution to study.
- 2 The ability of the participant to explain the goals and objectives of the study.
- 3 The participant's understanding of the methods and approaches used, the ability to compare his methods and approaches with existing methods and approaches.
- 4 Understanding by the participant of the principles of work and characteristics of the equipment used in the process of work equipment.
- 5 Ability to draw conclusions work. The ability to compare the results with the stated goals, to draw a conclusion about the compliance or reasons for the discrepancy between the objectives of the study and the results.
- 6 The participant's understanding of the future prospects of his research

within six months.

- 7 Presentation Skills: The ability to present material clearly and concisely, to support a discussion. The opportunity to state the key points of the work in English is welcomed language.

5. Basic dates

The Fair takes place in several stages Yes, there:

1. September 15, 2024 - closing date applications;
2. September 25, 2024 - announcement of the results of the absentee stage;
3. October 11-13, 2024 - hosting the final and awards;

The program of the full-time stage of the Contest is posted on the Website.

6. Operator Fair

- 1 The operator of the Fair is the "School laboratory of scientificcreativity "LANAT".
- 2 Mailing address: 119234, Moscow, ter Leninskie Gory, 1 building 77, room. 101a, Science Festival
- 3 Responsible performers:

Sergei Sergeev - Director of the Fair,

Artyom Astapov– Contest coordinator.

- 4 Questions arising on the organization and holding of the Contest can be sent to the e-mail address uchenye@festivalnauki.ru .

Registration form for participation in the XV International Fair of scientific and technical works of high school students "Scientists of the Future" (Russian FAIR)

Information about Team leader:

- 1 country;
- 2 city;
- 3 full name;
- 4 sex (male/female)
- 5 academic degree, title;
- 6 job title / position
- 7 place of work (official name);
- 8 personal contact phone number with country code;
- 9 email.

Please provide your 'official' photo for badge with an aspect ratio of 4:3

Information about the Participant (please fill for every participant):

- 1 country;
- 2 city;
- 3 Name, surname;
- 4 sex (male/female)
- 5 Date of Birth (dd /mm/ yyyy);
- 6 class as of September 1 of the current year;
- 7 contact phone number with country code;
- 8 e- mail;
- 9 the official name of the school;
- 10 contact in case of accident: phone and e- mail of the parent, please mark the relationship (for example: mother).

Please provide your 'official' photo for badge with an aspect ratio of 4:3

Information about project:

- 1 project title;
- 2 author(s);
- 3 category for which the project is submitted at the Fair (see section 1);
- 4 in case you bring an installation please provide us with a brief description of the installation, or photo;
- 5 project type (individual or command);
- 6 The name of the place where the work was done specifically (at home, at school, institute, summer camp and etc).

Abstracts for the application for participation in the XV International Fair of scientific and technical works of high school students "Scientists of the Future" (Russian FAIR)

Attention! The volume of abstracts should not exceed 2 pages A4 typewritten text in PDF format no more than 6 thousand characters, Times New Roman, 12 (maximum file size 15MB).

Abstracts of each project must contain the following information:

- category;
- project title;
- last name, first name of author(s);
- grade;
- the name of the educational institution where the project was developed;
- last name, first name, title/position and place of work of the scientific adviser;
- abstract text (no more than 2 pages of text, font Times, size 12);

The text of the abstract is a brief description of the work done, containing the following information:

- a brief statement of the problem (the purpose and essence of the proposed project);
- description methods and ways that were used in the investigation (research methods, experimental equipment and data processing facilities that were used in work);
- analysis of the obtained results (what are the main results obtained, their value).

1. An example of abstracts (line by line):

Category: **mathematics**.

Distance from a point to a cone in Euclidean space.

Kuznetsov Ivan.

Grade: 11.

Secondary school No. 516, St. Petersburg, Russia

E - mail: director@shkola516.spb.ru .

Scientific Adviser: Ivanova Lidia Petrovna, PhD, Associate Professor of the Faculty of Mathematics and Mechanics of St. Petersburg State University.

Abstract text.

Video

Each project must contain a video in mp4 format (codec h.264) containing a short (no more than one minute) report by the participant(s) project. Before loading video clip must be compressed to size no more 150MB.

Recommendations:

1. The target audience for this video is both judges and members of the general public.
2. What to include in your video:
 - 1) Introduce yourself: state your full name and your country/city.
 - 2) Instead of repeating the project name, try explaining it in one sentence.
 - 3) Explain your project. Summarize your research based on the main points:
 - What have you done?
 - What did you find?
 - What conclusions did you draw?
3. The main subject of video is yourself. Take up most of the frame. Do not use applications to record a video that visualize the presentation, and the author reads the text somewhere 'in the corner'. The video should resemble as closely as possible your performance in front of a live audience.
4. You can use any props you have (demonstration of the operation of the installation) or visual effects (for example, pictures or a table in the background of the video).
5. Shooting tips:

To ensure your video best reflects your work, keep the following guidelines in mind when filming:

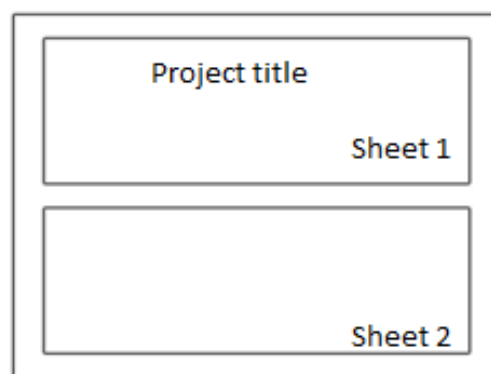
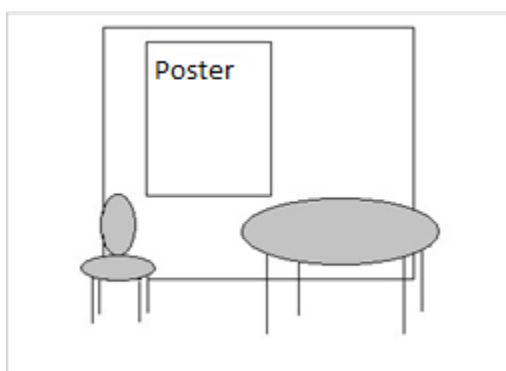
 - Speak clearly and loudly.
 - Film yourself in a well-lit, distraction-free environment to keep the viewer's attention on you and your work.
 - For best results, shoot video horizontally (landscape).
 - Keep the camera steady and in place while shooting.
 - Speak clearly and loud enough so that the recording can catch every word you say.
 - Avoid long pauses.
6. Listen to the video after recording to ensure that your voice is clear and audible and that the video does not contain too much background noise.

Poster Design Requirements

Authors of the projects must arrive at the Fair site to place their presentation (both poster and installation). The time and place for collecting posted materials will be separately indicated in the program.

Organizers provide each project with separate stand, consisting from structures for placing a poster, table and chairs (according to the number of authors of the project). The work is presented on **a vertical poster format A0** or on 2 sheets of the paper of standard size A1, arranged horizontally under each other friend. The poster is made and printed by the Participant by himself.

Scheme of the stand and arrangement of sheets of paper on the poster:



It is recommended to place on the stand the installation developed by the Participant or part of it or a computer with a video recorded by the Participant illustrating the study. The participant himself ensures the safety and security of the demonstrated material, it is recommended to install valuable materials directly on the day of presentation.

The authors of the projects must be near their stands for an interview with the jury members.

During the time intended for free visits to the Fair site by participants and visitors of the All-Russian Science Festival, the authors of the projects should be near their stands.