INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25

The Saudi Space Agency Launches The "MADAC" Competition For Students Across The Arab World

GALAXY SCIENTISTS 2024

Key Highlights of the Competitions:

- **The competition targets students between the ages of 6 and 18 and includes three tracks: arts, botany, and engineering, of public, private, and international schools.**
- **The competition is supervised by Saudi Astronaut Rayana Barnawi - who conducted 14 experiments aboard the International Space Station.**
- **The winning entries are expected to be sent to the International Space Station in the fourth quarter of this year 2024, which opens new horizons for the students to see their creativity reaching the sky. It is expected that the competition will have an impact on students by enriching their contribution to the fields of space and its sciences, enhancing the culture of research and innovation, and motivating generations to participate in the fields of science.**

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25

The Saudi Space Agency Launches The "MADAC" Competition For Students Across The Arab World

GALAXY SCIENTISTS 2024

- **Registration on the website - to participate, please apply by April 30, 2024.**
- **Interested students are encouraged to seize this unique opportunity by registering through the link provided (https://ssa.gov.sa/ar/initiative/?path=/initiatives-1/madak-competition/).**
- **This initiative aims not only to enrich the space sector with new perspectives but also to inspire future generations of scientists who will continue to push the boundaries of what is possible in space exploration.**

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25

The Saudi Space Agency Launches The "MADAC" Competition For Students Across The Arab World

GALAXY SCIENTISTS 2024

#Space_Madak Competitions

1- Arts Track (Inspiration Range) - Ages 6-11 years

2- Plants Track (Development Range) - Ages 12-14 years

3- Engineering Track (Innovation Range) - Ages 15-18 years

For more details and to complete the registration process…visit the website

Madak Space Competition - Saudi Space Agency (sa.gov.ssa)

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25

1- Arts Track (Inspiration Range) - Ages 6-11 years

The range of inspiration 8 is from 6-11 years old

Arts track

Share your drawings and use colors and imagination to make the stars of your paintings shine in space and captivate the universe with their magic.

Example: Submitting a drawing that expresses space and is sufficient for one sheet of paper.

"How to apply for the Arts track (Mada Al-Inspiration) "for students aged 6-11 years:

- Draw a drawing that expresses space on one sheet of paper.
- Register your personal data on the competition page and email confirmation.
- Prepare a short article in Arabic expressing the artwork. The article includes the purpose behind choosing this artwork and the materials used in the drawing.
- Then start completing your application, answering the required questions on the competition website, and uploading the article and a picture of your drawing.
- Make sure to submit the contest or save if you wish to edit.

Conditions for applying for the arts track

- The artwork must be on one sheet of paper.
- Artwork cannot contain oil paint and raised or "scattered" elements such as glitter, beads, sand...etc.

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25

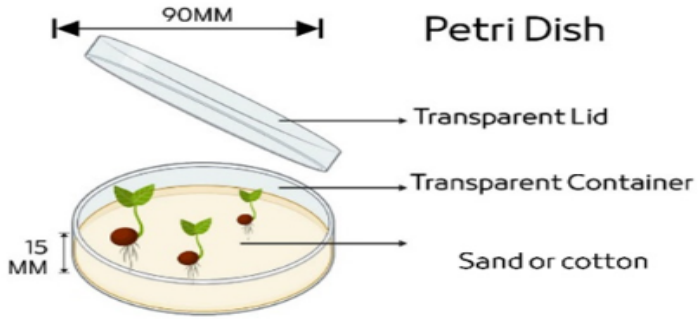
2- Plants Track (Development Range) - Ages 12-14 years

The range of development 8 from the age of 12-14 years

Path of plants

Ignite your passion for plant science and explore the effect of microgravity on seed germination. Example: Choosing a seed that will germinate within 10 days and planting it in soil or cotton.

:How to apply for the Plants Track (Span of Development) for students aged 12-14 years



- Register your personal data on the competition page and email confirmation.
- Choose a seed that will germinate within a period not exceeding 10 days.
- Plant it in soil or cotton
- Prepare a short article in Arabic expressing the experience. The article includes the purpose behind choosing this experiment and the materials used.
- Then begin by completing your application, answering the required questions on the competition website, and uploading the article and a photo of your experience.
- Make sure to submit the contest or save if you wish to edit.

:"Conditions for applying for the Plants Track (Span of Development) for "students aged 12-14 years

- The experiment should not need to be stored in a location that requires temperature or humidity control such as storage in a refrigerator.
- The total weight of the experiment should not exceed 40 grams.
- Detailed information about the materials used (including any outer seed coating) should be included.

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25

3- Engineering Track (Innovation Range) - Ages 15-18 years

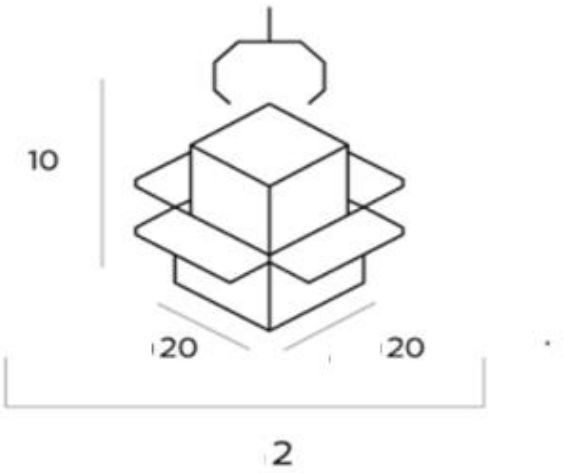
The extent of innovation & from the age of 15-18 years

Engineering track

Explore the secrets of the vast universe and use your critical thinking and problem-solving skills. Example: Design and build a scientific experiment to be carried out inside the International Space Station.

Examples of experiments in the engineering track that were carried out on the International Space Station.

"How to apply for the engineering track (Madaa Al-Ebtikar) "for students aged 15-18 years:



- Register your personal data on the competition page and email confirmation.
- Find a problem you want to solve related to astronauts, a technology you want to test in a microgravity environment (space) or explore a new technology.
- Sketch your idea on paper and decide which tools and materials to use to design it.
- Write the steps to design and operate it.
- Prepare a short article in Arabic expressing the experience. The article includes the purpose behind choosing this experiment and the materials used.
- Then begin by completing your application, answering the required questions on the competition website, and uploading the article and a photo of your experience.
- Make sure to submit the contest or save if you wish to edit.

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25

3- Engineering Track (Innovation Range) - Ages 15-18 years

The extent of innovation & from the age of 15-18 years

Engineering track

Explore the secrets of the vast universe and use your critical thinking and problem-solving skills. Example: Design and build a scientific experiment to be carried out inside the International Space Station.

Examples of experiments in the engineering track that were carried out on the International Space Station.

:Requirements for applying for the engineering track

- The weight of the scientific experiment being designed must not exceed 2 kg.
- If the scientific experiment being designed includes a battery: Please indicate the type and size of battery used (if applicable).
- If the scientific experiment being designed includes a capacitor: Please indicate the size of the capacitor (if available).
- If the scientific experiment being designed includes lighting: please mention it among the tools and upload a picture of it (if available).
- The experiment should not require cooling (such as a fan).
- If the experiment requires the use of electrical wires, please mention the presence of electrical wires in the tools and upload pictures of them (if available).
- The designed scientific experiment must not contain radio frequency technologies such as (Bluetooth).
- A scientific experiment should not need a cooling or heating system.
- The designed scientific experiment must not contain alcoholic substances (e.g. ethanol, isopropyl alcohol, ethylene glycol).
- The scientific experiment being designed must not contain breakable materials (such as glass or quartz).
- The designed scientific experiment must not include laser beams.
- A scientific experiment that is designed must not be used on any pressurized materials that are susceptible to leakage or explosion.

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25

Objectives of the Madak competition

Learn about the goals of the Madak Space Competition, which contributes to inspiring a generation of future scientists

An opportunity for the winning entries to reach the space

Their inspiring projects will be showcased in the three tracks

Enhancing critical thinking and problem-solving skills

During the design experiments are carried out in a microgravity environment.

Developing critical and analytical thinking skills

Providing experiments to study the effect of the microgravity environment on plant growth.

Promoting and developing talent and enriching space science

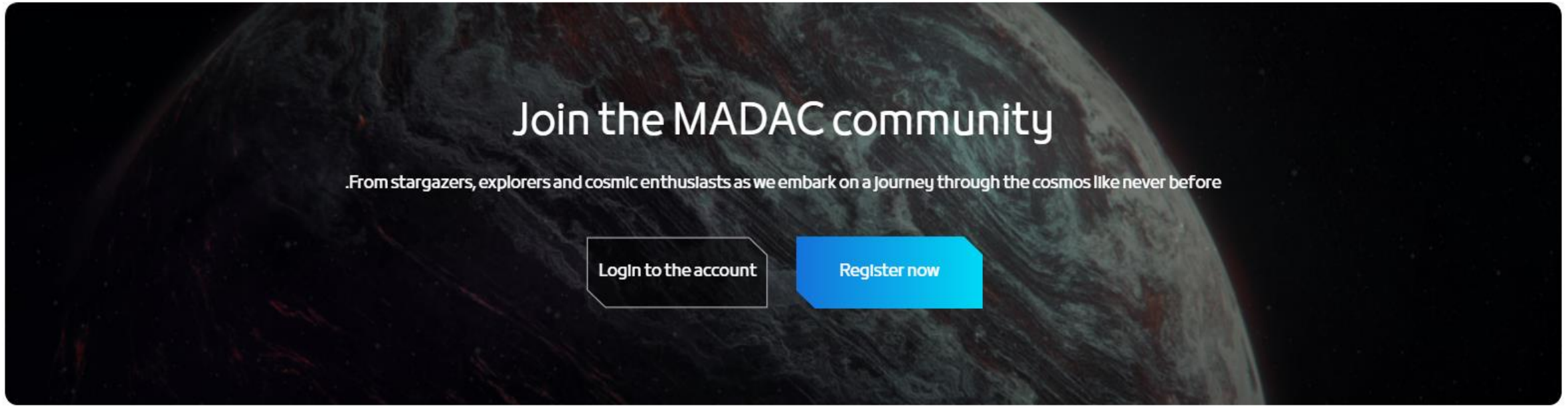
Encouraging students in the Arab world to explore the wonders of space.

For any clarification, please write to hod.science@iswkoman.com & avpsecondary.science@iswkoman.com

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25

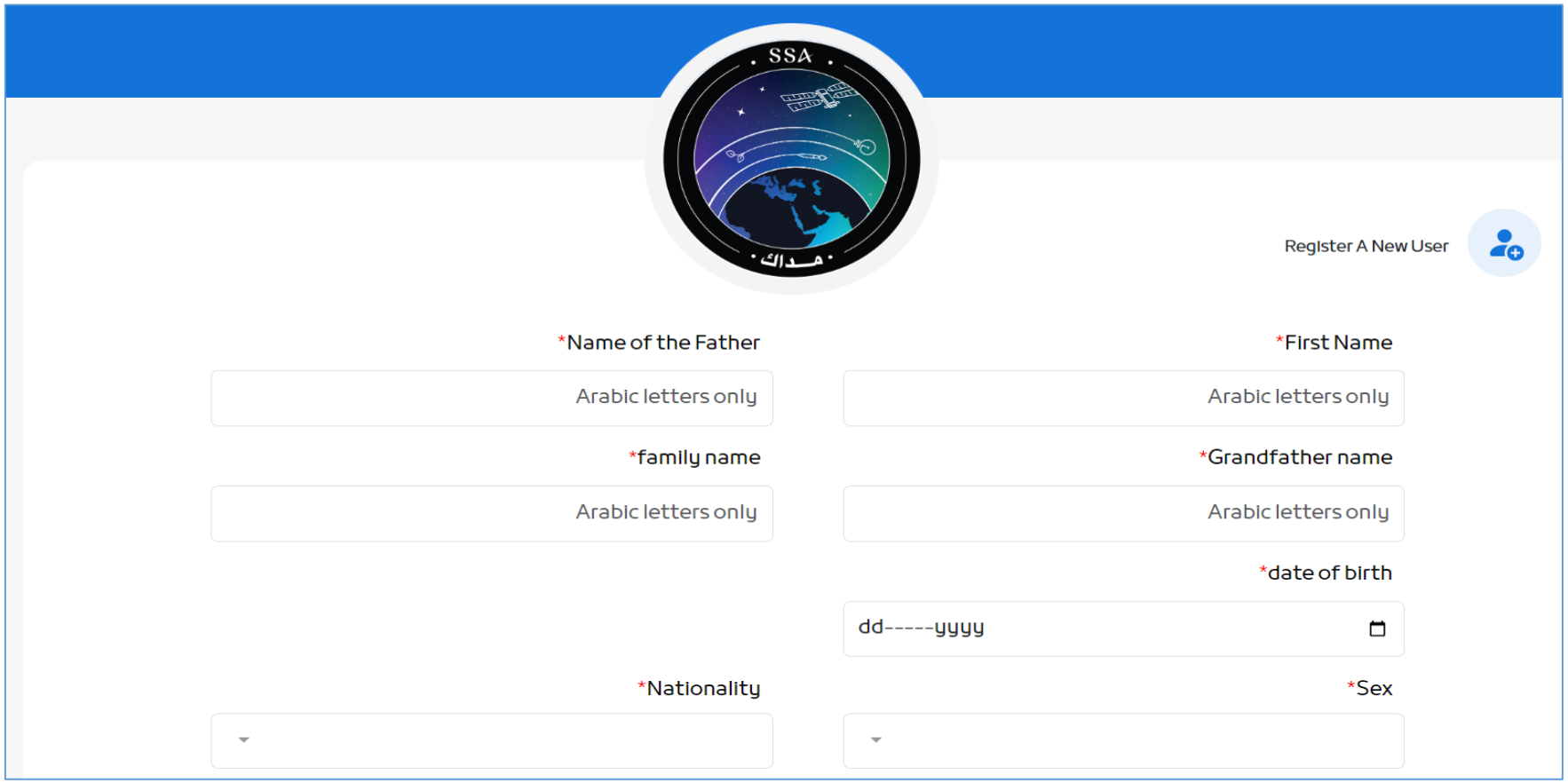
Please Grab the Opportunity

Register now



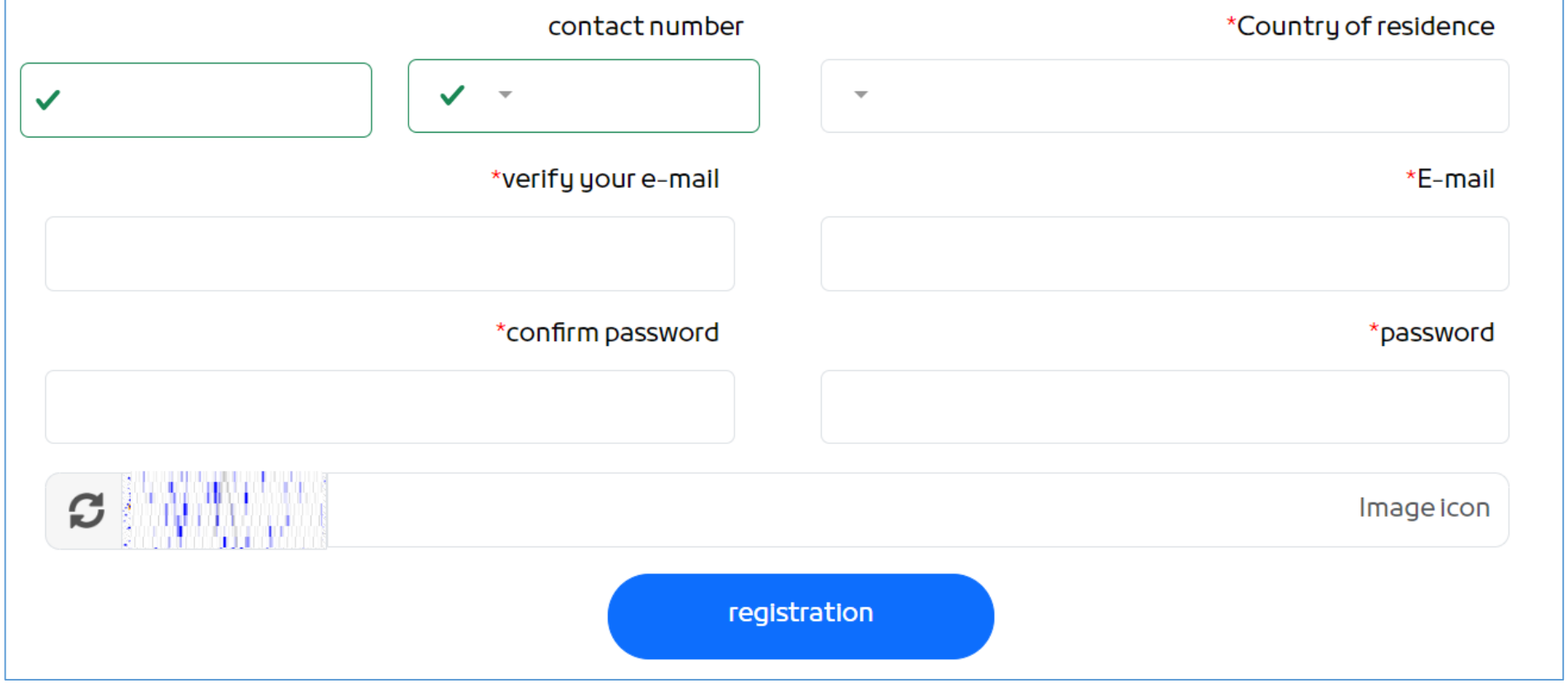
For any clarification, please write to hod.science@iswkoman.com & avpsecondary.science@iswkoman.com

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25



For any clarification, please write to hod.science@iswkoman.com & avpsecondary.science@iswkoman.com

INDIAN SCHOOL AL WADI AL KABIR
DEPARTMENT OF SCIENCE 2024 – 25



For any clarification, please write to hod.science@iswkoman.com & avpsecondary.science@iswkoman.com
After registration, please confirm to us by following the Google form link: https://forms.gle/BrivLCXBBxdhmSx86