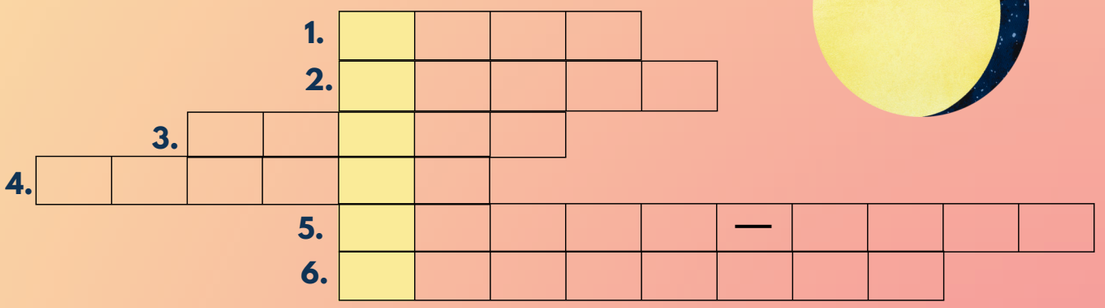
REBUS



1. What do you call a star that suddenly increases in brightness due to a thermonuclear explosion on the surface of a white dwarf in a binary system?
2. The only planet known to support life and home to humans.
3. What do we call the path that a planet takes as it moves around the Sun?
4. Which planet is famous for its tilted axis and blue color?
5. What is the distance that light travels in one year called?
6. What do we call a small rocky object that orbits the Sun, mostly found between Mars and Jupiter?



















4.

-daily news-

ASTROPHILE

2nd edition

21 October, 2025



WEATHER

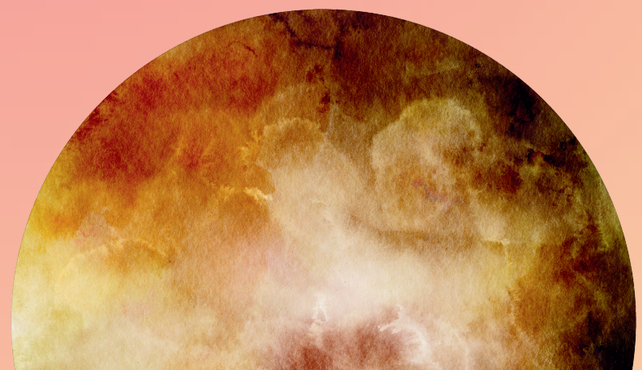
SUNNY,
12°C / 54°F

-1°C / 30°F

Piatra Neamț, România



"Those who aim for the stars, even if they fall, land higher than the rest"



Good Luck for the competition!



Memories from the past day
(the 20th of October):

GROUP COMPETITION:











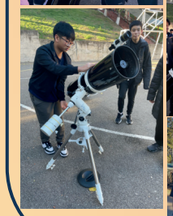

The atmosphere at Petru Rareș High School is lively and full of excitement as students take part in the Group Competition, an interactive event organized in anticipation of the International Olympiad. Combining science, teamwork, and creativity, the competition transforms learning into an engaging and memorable experience. Participants must go through 11 different stages, each containing both a scientific problem and a fun activity. Before starting, they read a short text, then have 10 minutes to solve the task. Each challenge is evaluated, and teams receive points based on how well they complete it. The mix of logic and creativity keeps everyone on their toes. Interestingly, many students confessed that the fun activities were sometimes even harder than the scientific problems themselves. Still, they remained enthusiastic, showing great teamwork and adaptability throughout the competition. The students are incredibly resourceful and passionate about science, approaching every task with curiosity and determination. The hallways are filled with laughter and friendly confusion as they work together, ask questions, and exchange ideas. They also collaborate closely with their volunteers, creating a supportive and dynamic atmosphere. In the end, the Group Competition wasn't just about solving problems, it was about discovery, collaboration, and joy. The event perfectly captured the spirit of Petru Rareș: bright, curious, and eager to explore the wonders of science in the most creative ways possible.

Medhavi, from the Nepal Team:

"The group competition was actually a treasure hunt where we needed to use all of the skills that we've learned since we were small until now, related to science and technology , and even some information that we vaguely knew about. I was with my team, going around and socialising with people I didn't even know until now , all while using our knowledge to solve the problems. It was such a wholesome experience ! Also, the problems that we solved seemed basic in the beginning, but by analysing them, we realised they were more complicated than we imagined and that they required a lot of brainpower. "

TELESCOPE TRAINING:








Yesterday, Petru Rareș High School hosted a telescope training session in preparation. The event was organized in the school's sports yard and helped participants become familiar with how the telescopes work and how to handle them properly.
During the session, students practiced assembling and aligning the instruments, adjusting their settings, and learning about their main components. This hands-on experience gave the young astronomers confidence in using the equipment essential for the competition.
The training served as a valuable final step in their preparation, showcasing the students' enthusiasm, teamwork, and passion for astronomy.

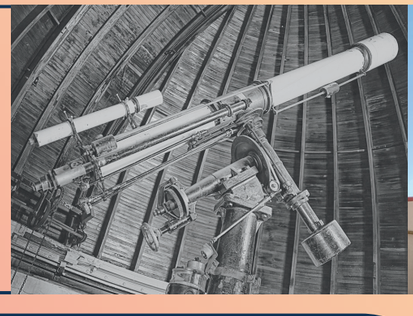
IMPRESSIONS:

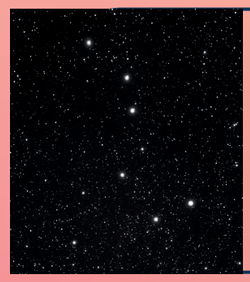
from Katerina from Czech Republic

Petra: How do you feel about the whole Olympiad until now ?
Katerina: I really like it here. The hotel is very nice — apart from the photos I saw — it actually exceeded my expectations. The Group Competition was great. Our group collaborated a lot, and all of us had fun. I really enjoyed it.
Petra: So you managed to communicate with the other people from their countries?
Katerina: Yes, and it was amazing! I was with one guy from Bulgaria, one from Romania, and two girls — one from Lithuania and one from Nepal. We worked really well together, shared ideas easily, and had a great time.
Petra: Did you like our school?
Katerina: It's really cool. I love the view into the courtyard — it's beautiful.

FUN FACT

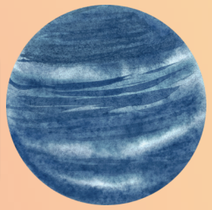
Romania has one of the oldest astronomical observatories in Eastern Europe! The Astronomical Observatory in Bucharest was founded in 1908, and its main telescope, the Prin-Merz refractor, is still used for education and research today.



CONSTELLATION OF THE DAY

Ursa Major – The Great Bear (Carul Mare in Romanian)
Its seven bright stars form the Big Dipper, which always points to the North Star (Polaris) — a symbol of direction and finding your way. In Romanian folklore, Carul Mare ("The Great Wagon") represents strength and guidance — good luck for those who never give up. If you can spot Carul Mare, you'll never lose your way — it brings luck to those who seek their purpose.



TODAY IN SPACE HISTORY

In 2024, the tails of Comet Tsuchinshan-ATLAS were a sight to behold. The comet lit up the night sky with brilliant twin tails of gas and dust. Its dazzling display became one of the most spectacular comet sightings of the decade, reminding astronomers and skywatchers alike of the wonders of our ever-changing cosmos.



PLAYLIST: SOUNDS OF THE STARS

"Interstellar" – Hans Zimmer
"Here Comes the Sun" – The Beatle
"Space Song" – Beach House
"A Sky Full of Stars" – Coldplay
"Counting Stars" – OneRepublic
"Rocket Man" – Elton John

ASTRO INSPIRATION

"There are more stars in the universe than grains of sand on all the beaches on Earth."
– Carl Sagan

"Shoot for the moon. Even if you miss, you'll land among the stars."
– Norman Vincent Peale

"Without dark, we'd never see the stars."
– Stephenie Meyer



FREE TIME:

