



NATIONAL SPACE DESIGN COMPETITION

Congratulations Graduates!



May and June typically mark the end of the school year for many high schools around the country, and with that the graduation of their seniors.

StellarXplorers wishes a hearty congratulations to the graduating seniors who participated during their high school careers. We hope your participation has inspired a bit more appreciation for space when you reach for the stars in the next chapter of your life.

We'd love to hear from you and what that next step is? Joining the military, attending a trade school, pursuing higher education, taking a gap year to explore your

passions, directly joining the workforce? – Whatever it is, we wish you success and happiness.

Don't forget to keep in touch by joining the StellarXplorers Alumni Group on LinkedIn. To join, visit: <https://www.linkedin.com/groups/12721859/>

StellarXplorers IX National Champions Recognized

Team Ratatoing from Edmond North High School AFJROTC was recognized on the floor of the Oklahoma State Senate for winning StellarXplorers IX.

On May 15, 2023, the team was presented a citation extending the body's sincere congratulations on their achievement. In part, the citation read, "and whereas six teammates performed brilliantly, placing first in the National Finals thus exhibiting and sharpening their skills in analytics and problem solving, while demonstrating exceptional teamwork and leadership."



[Click here to view the presentation.](#)

StellarXplorers Sample Scenario Contest

Help us prepare for StellarXplorers X for your chance to win \$100 Amazon gift card!

Create a simple, entry-level scenario covering one of the phases of the competition: Orbit Planning, Satellite Design, or Launch Operations. The best scenarios will be added to the library of training materials to help teams prepare for StellarXplorers X.



Teams, individual competitors, alumni, mentors, and team directors are all welcome to submit a scenario.

Entries due by July 31, 2023, and winners to be announced after August 10, 2023. [Click here for complete details.](#)

Registration open for StellarXplorers X



[CLICK HERE TO REGISTER A TEAM](#)

The registration form should be completed by the team director only.

Registration for the 2023-2024 competition season is open now through October 17. Don't wait, register your team today!

Team directors are not required to have prior experience with the competition, nor do Team Directors need to have

experience with Systems Tool Kit (STK) or orbital mechanics to serve in the role. The Competition focuses on the problem-solving side of space system design and less on advanced physics or equations.

[Click here](#) for information about the upcoming season, including dates, deadlines, and registration fees.

Stay in the Know!



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Tweet us, like us, follow us, and share with StellarXplorers on your favorite platform!

We'd love to share any stories about your team. Send them our way: competition@stellarxplorers.org.

STELLARCAMPS

Registration to host a 2023 StellarCamp is still open!

Looking for STEM programs to offer students during the summer? Look no further!

Organizations interested in hosting a space-focused summer camp still have time to [register to host a StellarCamp](#). The full camp curriculum (20-hours / five 4-hour days) is available for a purchase price of \$300 per week. The host can choose to conduct the camp in-person or virtually during any of the 12 weeks below. You must register for the week at least two weeks prior to the start date.



June 5 – 9	July 3 – 7*	July 31 – Aug. 4
June 12 – 16	July 10 – 14	Aug. 7 – 11
June 19 – 23*	July 17 – 21	Aug. 14–18
June 26 – 30	July 24 – 28	Aug. 21 – 25

* Holiday falls during camp week

The camp material has been refreshed from last year. If you have questions about hosting, please contact info@stellarexplorers.org.

SPONSOR NEWS

Newest StellarXplorers Sponsor: Privateer



StellarXplorers is thrilled to announce its latest sponsor aiding the effort to inspire students to pursue STEM careers – **Privateer**.

Founded in 2021 by Alex Fielding, Steve Wozniak, and Dr. Moriba Jah, [Privateer](#) is creating the data infrastructure that will enable sustainable growth for the new space economy. Its proprietary knowledge graph technology offers much-needed enhancements to how we collect and process information about space objects. Privateer's data engine, [Wayfinder](#), is an open-access and near real-time visualization of satellites and debris in Earth orbit.

Privateer is committed to helping humanity treat the space environment as if our lives depend on it... because they do!

STEM RESOURCES

Join the StellarXplorers Alumni Network

The StellarXplorers Alumni Network is intended to connect program alumni with each other and with program sponsors and supporters from industry and academia. Within this group we'll share networking opportunities, available internships, job postings, and more!

This is a private group for past and present StellarXplorers participants. You must be at least 16 years of age to join, per LinkedIn account regulations. All requests to join will be reviewed by StellarXplorers staff to verify participation in the program.



To join, visit: <https://www.linkedin.com/groups/12721859/>

SPACE NEWS

Curious About What's Happening Overhead?



Check out the Space.com [2023 Space Calendar](#) to stay up to date with upcoming planned rocket launches and skywatching-worthy dates.

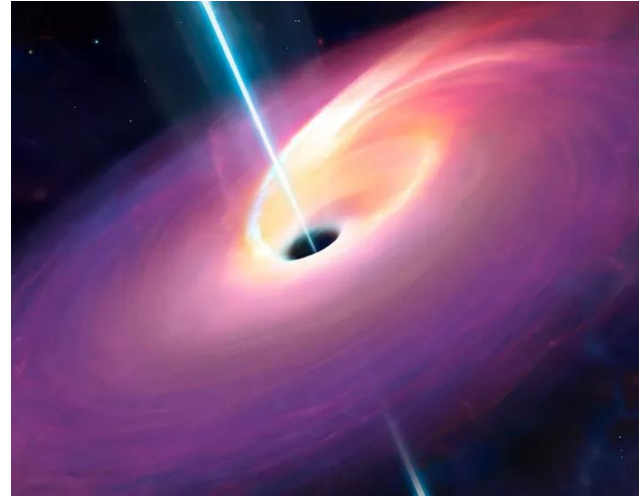
And in case you missed it...

- 4 MAY 2023 | [If dark matter is 'invisible,' how do we know it exists?](#)
- 4 MAY 2023 | [NASA shares stunning deep space images for Black Hole Week 2023](#)
- 5 MAY 2023 | [Scientists discover closest star-shredding black hole to Earth ever seen](#)
- 7 MAY 2023 | [Rocket Lab launches 2 NASA satellites to study hurricanes like never before](#)
- 8 MAY 2023 | [The moon's heart of iron revealed for the 1st time](#)
- 9 MAY 2023 | [Space junk cleanup mission to launch in 2026 aboard Arianespace rocket](#)
- 10 MAY 2023 | [Israeli startup WeSpace aims to launch robotic 'moon hopper' by 2026](#)
- 11 MAY 2023 | [Strange sounds recorded in Earth's atmosphere baffle scientists](#)
- 12 MAY 2023 | [NASA gives up on tiny Lunar Flashlight probe's troubled moon ice mission | Space](#)
- 14 MAY 2023 | [Skylab launch 50 years ago recalled by space station astronaut today | Space](#)
- 16 MAY 2023 | [Buzz Aldrin honored as Air Force one-star, Space Force Guardian](#)
- 17 MAY 2023 | [Artemis 2 crew begins 1st moon mission training in 50 years](#)
- 19 MAY 2023 | [NASA's new Artemis moon lander will be built by Blue Origin](#)
- 21 MAY 2023 | [SpaceX launches private Ax-2 astronaut mission to the space station](#)
- 26 MAY 2023 | [Private Japanese moon lander crashed after being confused by a crater](#)
- 30 MAY 2023 | [Record-high 17 people are in Earth orbit right now](#)

Images from space:



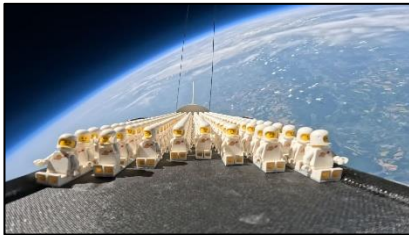
Messier 74 is nicknamed the Phantom Galaxy because it is relatively dim, making it harder to spot with small telescopes than other galaxies. [\(Image credit:](#) X-ray: Chandra: NASA/CXC/SAO, XMM: ESA/XMM-Newton; IR: JWST: NASA/ESA/CSA/STScI, Spitzer: NASA/JPL/CalTech; Optical: Hubble: NASA/ESA/STScI, ESO; Image Processing: L. Frattare, J. Major, N. Wolk, and K. Arcand)



Astronomers stared deep into the heart of a hungry black hole, only to discover a jet of X-rays beaming out of it that is 60,000 times hotter than the surface of the sun. [\(Image credit:](#) Mark Garlick/Science Photo Library/Getty Images)

JUST FOR FUN

LEGO Sends 1,000 Astronauts to Space and Lands Them Safely in a Mini Space Shuttle



One thousand LEGO astronauts traveled to the edge of space on a stratospheric balloon last weekend and returned safely to Earth on a specially designed landing platform.

The Legonauts took off from a small airport in Slovakia, seated on a 3D-printed space shuttle-like platform made of a sturdy but lightweight carbon composite material. [Click to read more.](#)

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