

Junior Physics Challenge (JPC)

JPC

JPC Final (ASEEDER All Star Science Carnival)

- ★ One of the most competitive physics competitions in the UK
- ★ Top students compete together for the top awards
- ★ Beneficial for applying science majors in top universities

Language: English

Date: JPC - Nov. 22, 2026 (Sun.) (50mins)

JPC Final (Science Carnival) - May 1- May 4

Location: JPC - Online,

JPC Final (Science Carnival) - China (TBD)

Deadline: JPC - 2 weeks before the competition

JPC Final - TBD

The British Physics Olympiad is a charitable trust overseen by a committee of trustees. It was initiated in 1979, and has been used as a qualifier for the selection of the UK Physics Team for the International Physics Olympiad since 1983. The topic of the questions will be ranging from Dynamics, Electricity, Optics, Heat, Units, Waves, to astronomy. The main objective is to create fun, encourage involvement and inspire passion for physics among students. It aims to inspire middle school students to learn physics, and practice practical skills and critical thinking.

Junior Physics Challenge (JPC)

Rules

Language:

English

Date: Nov. 22, 2026 (Sun.) (50mins)

Form: Online

Eligibility: Grade 7-9 / Year 8-10

Type: Individual Test

Format: 60 multiple-choice questions

Awards

Global Award

- Gold
- Silver
- Bronze

Asian Award

- Asian Honorable Awards: Top 10% in Asia
(Except for Global award winners)

(For Global awards: British participants will be ranked firstly by their overall scores, which help set the thresholds for each award. Subsequently, participants from other countries outside the UK will be awarded on the basis of the thresholds for each award.)

Sample Question

The image below is from the James Webb Space Telescope, which began operation in 2022. What are most of the objects shown in this image?



- A. Stars
- B. Galaxies ✓
- C. Dust clouds
- D. Black holes

JPC Final (ASEEDER AllStarScience Carnival)

ASEEDER invites gold, silver and bronze winners in JPC to participate in the science event - ASEEDER All Star Science Carnival, which exposes everyone to a wider range of scientific knowledge, and enhances the students' comprehensive ability to utilize interdisciplinary knowledge, and also develops innovative thinking and problem-solving skills. More importantly, students were able to compete with outstanding students from all over the country, broadening their horizons and enhancing their sense of cooperation. They are not only students from JPC, but also other science activities of the national round competitors, which is not only a demonstration of their own achievements in science education, but also an excellent opportunity to compete with the international outstanding students.



JPC Final Rules

Date: May 1- May 4

Eligibility: Gold, silver and bronze award winners in JPC

Location: China (TBD)

Team Size: Team of 4 participants



JPC Final Sessions



Science Bowl



Science Bazaar



Treasure Hunt



Scientist's Theater



Mini Practical Challenge



All Star Science Guts



Team Show

Science Bowl



The Science Bowl is a unique activity that combines scientific knowledge with competitive excitement! You will have the opportunity to showcase your scientific intelligence and quick thinking. Are you ready to answer questions? Topics may range from physics to biology, from chemistry to astronomy—every field may be covered! This is not just a contest of knowledge, but an exhilarating competition. Showcase your scientific prowess to the fullest!

Science Bazaar



The Science Bazaar encourages participants to unleash their creativity by selecting the scientific phenomena they find most interesting and memorable. Participants will showcase the wonders of the universe through DIY crafts, videos, digital displays, etc. The marvels of science are delivered through each project, bringing vibrancy to the world through your contributions!

All Star Science Guts



The activity features four rounds—Science, Chemistry, Physics, and Mathematics—with teams racing through each set of questions in relay fashion. Members must stay focused and well-coordinated to advance quickly. Real-time leaderboard updates keep the pressure on, pushing teams to think fast, solve accurately, and finish each round at maximum speed to climb the rankings.

Scientist's Theater



Scientists will unveil the mysteries of science uniquely and engagingly. Listen to their stories and deeply feel the spirit of "challenging the unknown" that defines scientific inquiry. Let scientists guide you on an exciting scientific adventure in plain language manner. Get ready to traverse time and space and experience the joy of exploration!

Mini Practical Challenge



This is a thrilling science experiment showcase packed with challenges and surprises! Here, you become a bold explorer and sharp thinker—grab your material kit and set off on a fascinating journey of discovery. This session tests both your learning and hands-on abilities, pushing you beyond textbook theories. Through hands-on practice, you will experiment, create, and unlock your full potential. With wisdom and courage, you will ignite the spark of science and uncover the treasures of knowledge.

Team Show



This is a team creative showcase, where each group prepares a runway presentation based on the annual theme. Teams will take turns walking the stage under the spotlight, presenting their creative designs and team chants. Each team is required to:

1. Announce their team name and slogan.
2. Incorporate handmade creative elements into their outfits that relate to the theme—such as a DIY panda hat, a giraffe prop cane, or a DNA-helix skirt.

Treasure Hunt



The King of the Universe has scattered many gems in various corners of the venue, and the Treasure-Hunt teams will receive a map indicating different treasure locations. The team must complete the "scientific challenges" posed by the gem guardians to obtain the corresponding gems. The challenges will test not only the team's intelligence but also their ability to collaborate. Who will collect all the gems? We shall wait and see!

* Specific activities are subject to the official announcement for that year.

JPC Final (ASEEDER AllStarScience Carnival)



JPC Final Agenda

	Morning 9:00-12:00	Af ternoon 14:00-18:00	Evening 19:00-21:00
May. 1		Arrival and Check-in	
May. 2	Check-in Opening Ceremony Ice-Breaking Games	Science Bazaar Preparation Team Challenge: Science Bazaar	Team Challenge: Treasure Hunt
May. 3	Team Challenge: Science All Star Guts Activity: Scientist's Theater	JPC Final	Team Show Preparation Team Activity: Team Show
May. 4	Mini Practical Challenge	Closing Ceremony & Award Ceremony	/

*The schedule is subject to change



JPC Final Awards

Global Awards:

- Gold
- Silver
- Bronze

*The above awards are for reference only; actual awards will be confirmed before the event.



JPC Final Steps

STEP 1: Participate in JPC in Nov. 2026.

STEP 2: Receive an invitation to the 2027 All Star Science Carnival.

STEP 3: Receive academic preparation email.

STEP 4: Attend the All Star Science Carnival.



JPC Final Fee

Fees: To be announced

- Include: Costs for participating in various sessions of the All Star Round.
- Exclude: Accommodation, transportation, meals.



JPC Final Moments

Please scan to view photos and videos from last year.



Photos



Recap video

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