Dates and Summary of BPhO/BAAO Competitions 2022 - 23 (*full details at* https://BPhO.org.uk)

Updates at https://bpho.org.uk **CP = Competition Platform** https://exams.bpho.org.uk/ **Teachers register by deadline (and be approved) at** https://bpho.org.uk/teachers

Paper	Experimental Project	Computational Physics Challenge	BPhO Physics Challenge	BAAO Astronomy & Astrophysics Challenge "Astro Challenge"	BAAO Junior Astro Challenge	BPhO Round 1	Senior Physics Challenge Online	BAAO Astronomy & Astrophysics Olympiad Competition	Intermediate Physics Challenge Online	BPhO Round 2	Intermediate Physics Challenge	Senior Physics Challenge	Junior Physics Challenge
Year group	Yr10/11 & Yr12/13	Y11-Y13	Yr 13 or below	Yr 13 or below	Y9, Y10, Y11	Yr 13 or below	Yr 12 or below	Yr 13 or below	Yr 11	Yr 13 or below	Yr 11	Yr 12 or below	Yr 10
Registration deadline for Competition Platform: (ONLY DONE ONCE)	Via **CP.** Available from: **Sept 2022**	Via **CP.** April 2023	Via **CP.** Available: **Sept. Deadline – Wed 23rd Nov '22**	Via **CP.** Available: **Sept 2022**	Via **CP. Deadline**: **Tue 1st Nov 2022**	Via **CP. Deadline: Mon 7th Nov 2022** *Pdf version only*	Via **CP. Deadline**: **Fri 20th Jan 2023 at 17.00**	By invitation **or** by teacher request. *PDF ordered up to* **Thurs 19th Jan '23**	Via **CP. Deadline**: **Fri 27th Jan 2023 at 17.00**	By Invitation only. *(only students who get a Top Gold in Round 1)*	Via **CP. Deadline**: **Mon 27th Feb 2023** *PDF version only*	Via **CP. Deadline**: **Mon 6th March 2023** *PDF version only*	Via **CP. Deadline**: **Tue 25th April 2023 at 17.00**
Test date	Submission date: by Fri **27th Jan 2023**	Submit by mid-August 2023	Certificate deadline: Wed **21st Dec 2022**	Cert. deadlines Distinc'n: **Fri 21st Oct '22.** Merit **Fri 2nd Dec '22**	Open from **Fri 4th Nov - Wed 23rd Nov 2022**	**Fri 11th Nov 2022.** Paper must be returned by **Fri 18th Nov 2022**	Open from **Mon 23rd - Fri 27th Jan 2023**	**Mon 23rd Jan 2023**	Open from **Mon 30th Jan – Fri 3rd Feb 2023**	**Mon 30th Jan 2023**	**Fri 3rd March 2023**	**Fri 10th March 2023**	Open from **Fri 28th April - Wed 17th May 2023**
Overview	The project gives students hands-on experience of planning and undertaking an open-ended expt., working in ones, twos or threes, and communicating their findings.	A set of talks each week Jan – March sets the scene for a project in modelling. Students can work individually or in pairs.	To develop students' interest in problem solving. It prepares them for questions which require analysis of information to work out the answer through the use of "simpler" physics ideas.	Physics ideas applied to astronomy through problem solving to allow students to analyse observational data through to a conclusion. Based on core physics, with extra detail being supplied in the paper.	Two online multiple choice quizzes to generate interest in a national astronomy competition. Many easy marks with a few more testing questions. 2 x 30 questions	Our flagship competition with a dual purpose: to challenge and reward the best problem-solving physicists in UK schools and to select the UK Teams for the IPhO and for the IOAA. Paper Sections can be sat in two occasions.	Two online m/c quizzes to generate interest in a national physics competition. 2 x 20 questions	Similar to the Astro Challenge Paper but taking the ideas a little further. Based on core physics. Extra syllabus material is given at BPhO.org.uk online. For physicists in **Yr 13/ equivalent,** interested in astronomy and physics problems.	Two online m/c quizzes to generate interest in a national physics competition. (2 x 20 questions)	A more challenging paper about problem solving through setting up models, making predictions and explaining real world effects.	The paper has a more mathematical style for this age group and includes m/c and short answer sections. Suitable for students who are predicted to achieve good grade for either Dual Award or separate physics.	Stretches physics thinking and encourages students to apply physics they know to novel situations. Provides an excellent tool to stretch and challenge good students.	Two online multiple choice quizzes to generate interest in a national physics competition. Many easy marks with some more testing questions. (2 x 30 questions)
Length	Open ended	Open ended	1 hour	1 hour	2 x 25 minutes	2 h 40 m	2 x 30 minutes	3 hours	2 x 30 mins	3 hours	1 hour	1 hour	2 x 25 minutes
Marked	Teachers select the best entry to submit for age groups G and A	By the BPhO.	In school, mark scheme provided	In school, mark scheme provided. Out of 30 marks.	**An Online competition**	By the BPhO team. Return papers for marking by **Fri 18th Nov 2022**	**An Online competition**	By the BAAO team. Return papers for marking by **Fri 27th January 2023**	**An Online competition**	By the BPhO. Return papers for marking by **Fri 3rd February 2023**	In school, mark scheme provided	In school, mark scheme provided	**An Online competition**
Certificates	Gold, Silver, Bronze, Commendation certificates emailed out.	Certificates.	Merit: 20/50 or above. Participation: 19 marks or below Certif's from CP.	Distinction: >60% Dist. Papers posted in by **Friday 21st Oct '22.** Merit >40% & Particip'n. Certif's from CP.	Gold, Silver, Bronze, Participation. Certificates from CP.	Top Gold, Gold, Silver, Bronze I, Bronze II, Particip'n certificates from CP.	Gold, Silver, Bronze, Part'n certificates from CP.	Gold >60%, Silver >40%, Bronze >20% & Commendation certificates emailed out.	Gold, Silver, Bronze, Particip'n certificates from CP.	≈ 15 Gold ≈ 15 Silver ≈ 20 Bronze	Gold, Silver, Bronze, Partic'n certificates from CP.	Gold, Silver, Bronze, Participation certificates from CP	Gold, Silver, Bronze. Part'n certificates from CP.
Book prizes	We will award some book prizes in 2023.												
Cost (for UK schools – for International see web page)	Free. PDF paper	Free. Students enter themselves.	Free. PDF paper	Free. PDF paper	£20 for a whole school	£18 per entry (two free entries for non-fee paying schools).	£20 for a whole school	Free for invited students or £8 per paper. Papers posted.	£20 for a whole school	Free - papers posted	Free. PDF paper	Free. PDF paper	£20 for a whole school

Rounds 2 of the BPhO is by invitation only, and with Round 1 is used to select the UK team for the International Physics Olympiad. The BAAO Competition Paper is largely by invitation, but teachers may request to enter students also. This and BPhO Round 1 are used for selection of the UK team for the IOAA.

Papers are designed to favour all exam boards equally. Some of the students (and a teacher) achieving the highest results in the Competitions will be invited to a prize giving ceremony at the Royal Society in late April. More information about the competitions can be found here: www.bpho.org.uk.

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