

Paper	Experimental Project	BPhO Physics Challenge (formerly A2 Challenge)	BAAO Astronomy & Astrophysics Challenge "Astro Challenge"	BAAO Junior Astro Challenge	BPhO Round 1	BAAO Astronomy & Astrophysics Olympiad Competition	BPhO Round 2	Senior Physics Challenge (formerly AS Challenge)	Intermediate Physics Challenge (formerly Physics Challenge GCSE)	Junior Physics Challenge
Year group	Yr 10/11 & Yr 12/13	Yr 13 or below	Yr 13 or below	Yr 10 & Y11	Yr 13 or below	Yr 13 or below	Yr 13 or below	Yr 12 or below	Yr 11	Yr 10
<b>Registering for paper - DEADLINE</b>	Available from: w/c 26 <sup>th</sup> June 2020	Available from: w/c 7 <sup>th</sup> Sept 2020 Deadline - 25 <sup>th</sup> November 2020 at 16.00	Available from: w/c 7 <sup>th</sup> Sept 2020	Via <b>Online Shop</b> . Deadline: Tue 3 <sup>rd</sup> November 2020 at 16.00	<del>Deadline: Printed - Fri 6<sup>th</sup> Nov 2020</del> Electronic version is available to order until Thur 12 <sup>th</sup> Nov 2020, 16.00	By invitation or by teacher request. Electronic version is available to order until Thurs 21 <sup>st</sup> Jan 2021	By Invitation only. (only students who achieve Top Gold in Round 1)	Deadline: Fri 26 <sup>th</sup> Feb 2021 Electronic version only	Deadline: Fri 5 <sup>th</sup> March 2021 Electronic version only	Via the online shop. Deadline: Tue 27 <sup>th</sup> April 2020 at 17.00
<b>Test date</b>	Submission date: By 22 <sup>nd</sup> Jan 2021	Certificate deadline: 4 <sup>th</sup> Dec 2020	Certificate deadlines for: Distinction: Fri 23 <sup>rd</sup> Oct 2020 Merit: Fri 4 <sup>th</sup> Dec 2020	Active from Fri 6 <sup>th</sup> Nov - Wed 25 <sup>th</sup> Nov 2020	Fri 13 <sup>th</sup> Nov 2020 Submission date: by Fri 20 <sup>th</sup> Nov 2020	Mon 25 <sup>th</sup> Jan 2021	Mon 1 <sup>st</sup> Feb 2021	Fri 5 <sup>th</sup> March 2021	Fri 12 <sup>th</sup> March 2021	Active from Fri 30 <sup>th</sup> April - Wed 19 <sup>th</sup> May 2021
<b>Overview</b>	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.	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.	A mix of astronomy and physics to allow students to analyse observational data through to a conclusion. Physics ideas applied to the wider universe through problem solving. 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 some 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.	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 <b>Yr 13/ equivalent</b> , interested in astronomy and physics problems.	A more challenging paper about problem solving through setting up models, making predictions and explaining real world effects.	Stretches physics thinking and encourages students to apply physics they know to novel situations. Provides an excellent tool to stretch and challenge good students.	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.	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)
<b>Length of exam</b>	Open ended	1 hour	1 hour	2 x 25 minutes	2 hrs 40 min (can be sat in two sections)	3 hours	3 hours	1 hour	1 hour	2 x 25 minutes
<b>Marked</b>	Teachers select their best entry to submit for each age group (G and A)	In school, mark scheme provided	In school, mark scheme provided.	<b>An Online competition</b>	By the BPhO team. Return papers for marking by <b>Fri 20<sup>th</sup> Nov 2020</b>	By the BAAO team. Return papers for marking by <b>Fri 29<sup>th</sup> January 2021</b>	By the BPhO team. Return papers for marking by <b>Fri 5<sup>th</sup> February 2021</b>	In school, mark scheme provided	In school, mark scheme provided	<b>An Online competition</b>
<b>Certificates</b>	Gold, Silver, Bronze, Commendation certificates emailed out.	Merit: 20/50 or above Participation: 19 marks or below Certificates ordered online	Distinction: <b>&gt;60% These papers should be posted in by Friday 23<sup>rd</sup> Oct 2020.</b> Merit & Participation certificates emailed out.	Gold, Silver, Bronze, Participation certificates emailed out.	Top Gold, Gold, Silver, Bronze I, Bronze II, Particip'n certificates emailed out.	Gold, Silver, Bronze, Participation certificates emailed out.	≈ 15 Gold ≈ 15 Silver ≈ 20 Bronze	Gold, Silver, Bronze, Participation certificates emailed out.	Gold, Silver, Bronze, Participation certificates emailed out.	Gold, Silver, Bronze. Participation certificates emailed out.
<b>Book prizes</b>	Best Gold award winner/s	<b>We cannot award book prizes during the COVID-19 crisis unfortunately (from practical considerations)</b>				Top 100 Gold award winners	Top 25 Gold award winners	Squad invited to Royal Society	Top 25 Gold award winners	Top 25 Gold award winners
<b>Cost</b>	Free Electronic paper	Free Electronic paper	Free Electronic paper	£20 for a whole school	£18 per paper (two free entries for non-fee paying schools).	Free for invited students or £8 per paper. Papers posted.	Free - papers posted	Free Electronic paper	Free Electronic paper	£30 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. Round 3 is open to the top 14 students who are interested in the participating in the IPhO. The paper is sat at the University of Oxford Training Camp. 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 Experimental Project, The British Physics Olympiad, The British Astronomy & Astrophysics Competition, Senior and Intermediate Physics Challenges will be invited to a prize giving ceremony at the Royal Society. More information about the competitions can be found here: [www.bpho.org.uk](http://www.bpho.org.uk).