



PROGRAMME CERTIFICATE

Oxford Prospects Programmes

Oxford Prospects and
Global Development
— Institute —

Certificate of Attendance

This is to certify that

CAO DONGHAO

has successfully completed the Summer Short Programme in:

*New Frontiers of Science: Maths, Physics,
Computer Science and Engineering*

28th July 2024 - 10th August 2024

Organised by

Oxford Prospects Programmes

Signature:



Dr Lynn Robson,
Academic Director
Oxford Prospects and
Global Development Institute

Signature:



Dr Shidong Wang,
Director
Oxford Prospects and
Global Development Institute

Programme Transcript

CAO DONGHAO has completed the New Frontiers of Science: Maths, Physics, Computer Science and Engineering Programme 2024 which contained:

20 Hours of Academic Lectures,

10.5 Hours of Academic Workshops,

2.5 Hours of Special Guest Lectures,

18 Hours of Independent Self Study (class preparation, group work, reading, etc.).

Academic Content

- Application of Accelerators by Professor Ivan Konoplev
- The Next Generation of Nuclear Power Stations by Professor James Marrow
- Foundations of Physics: Quantum Measurement by Dr Matthew Brown
- The Universe and Nature's Laws by Professor Robert Lambourne
- Building Conservation by Professor Sinan Acigoz
- The Impact of Sport Hunting on Lions by Dr Egil Droge
- Probing the Invisible: Weighing Supermassive Black Holes by Professor Martin Bureau
- Classical Mechanics by Professor Ivan Konoplev
- Particle Accelerators: From Producing Higgs Bosons to Curing Cancer by Professor Phillip Burrows
- Insights into the Transition to Sustainable Transport Futures: Part 1 by Dr Labib Azzouzz
- From Math to Measurement by Professor Bernie Hogan
- Foundations of Physics: The Dilated Schrodinger Equation by Dr Matthew Brown
- Introduction to Climate Dynamics and Modelling by Dr Neven Fuckar
- How to close the finance gap in upgrading the energy performance of Germany's older buildings by Dr Raymond Galvin

- Environmental Urban Design by Dr Pete Walton
- Extreme Climate Events by Dr Neven Fuckar
- Engineering Science: Air Pollution from Vehicles by Dr Felix Leach
- Insights into the Transition to Sustainable Transport Futures: Part 2 by Dr Labib Azzouzz
- Science and archaeology - how chemistry can tell us about the human past by Dr Amy Styring
- The Story of Downton Abbey by Mr Mark Hubbard

Assessment Result

Module	New Frontiers of Science: Maths, Physics, Computer Science and Engineering	Grade		A+
Student Name	CAO DONGHAO			
Assessment Components		Mark Scale		
		Grade	Percentage	Definition
a) A Formal Academic Presentation b) Two Weekly Tests c) Course Attendance & Performance		A+	90-100	Excellent
		A	80-89	
		A-	70-79	
		B	60-69	Very good
		C	50-59	Satisfying
		D	40-49	Pass
		E	30-39	Fail
		F	0-29	

Signature:



Dr Lana Delerue

Operations Manager, Oxford Prospects Programmes

