

DEPARTMENT FOR CONTINUING EDUCATION

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READING LIST

Course Title: Big Ideas in the History of Science
Location: Ewert House, Oxford
Term Dates: 24 Jan 2023 to 28 Mar 2023
Tutor: Patricia Stewart

The reading list below was supplied by the course tutor.

If you have enrolled on a course starting in the autumn, you can become a borrowing member of the Rewley House library from 1st September. If you are enrolled on a course starting in other terms, you can become a borrowing member once the previous term has ended. For example, students starting in January can join the Library in early December and those starting in April can join in early March.

If you are planning to purchase any books, please keep in mind that courses with insufficient students enrolled will be cancelled. The Department accepts no responsibility for books bought in anticipation of a course running.

Preparatory Reading List

The items on this list are to give you some background to the materials and ideas that we will be covering on the course.

| Author | Title |
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| Donald R. Prothero et al | <i>Reality check: how science deniers threaten our future.</i> |
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| John Hedley Brooke | <i>Science and religion: some historical perspectives.</i> |
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| Lawrence Principe | <i>The scientific revolution: a very short introduction.</i> |
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| Lorraine Daston and Katharine Park | <i>Wonders and the order of nature, 1150-1770.</i> |
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| Peter J. Bowler | <i>Evolution: the history of an idea.</i> |
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| Thomas S. Kuhn | <i>The Copernican revolution.</i> |
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Course Reading List

The items on this list are to support your learning while you are taking the course.

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| Allan G. Debus | <i>Chemistry, alchemy, and the new philosophy, 1550-1700</i> |
| Andrew W. Artenstein | <i>Vaccines: a biography</i> |
| Brenda Maddox | <i>Rosalind Franklin: the dark lady of DNA.</i> |
| Carla Yanni | <i>Nature's museums: Victorian science and the architecture of display.</i> |
| James Watson | <i>The double helix: a personal account of the discovery of the structure of DNA.</i> |
| Jan Golinski | <i>Making natural knowledge: constructivism and the history of science.</i> |
| Jonathan Howard | <i>Darwin: a very short introduction</i> |
| Keith Thomas | <i>Man and the natural world: changing attitudes in England, 1500-1800.</i> |
| Lawrence Principe | <i>The aspiring adept: Robert Boyle and his alchemical quest.</i> |
| Marjorie Caroline Malley | <i>Radioactivity: a history of a mysterious science.</i> |
| P. G. Maxwell-Stuart | <i>The chemical choir: a history of alchemy</i> |
| Richard S. Westfall | <i>The construction of modern science: mechanisms and mechanics.</i> |
| Rob Iliffe | <i>Newton: a very short introduction.</i> |
| Stillman Drake | <i>Galileo: a very short introduction</i> |
| The Janus faces of genius: the role of alchemy in Newton's thought. | <i>Betty Jo Teeter Dobbs</i> |
| William J. Croft | <i>Under the microscope: a brief history of microscopy.</i> |