



MUSEUM *of the*
HISTORY *of*
SCIENCE

FAMILY FRIENDLY DROP IN

Saturday 15 March 10am - 5pm

CRYSTALS

Patterns from Atoms



A day of activities, talks, demonstrations and fun for all the family

Discover the beauty and science of crystals in a day of talks, activities, demonstrations and trails for all the family including X-ray crystallography, a hidden science and source of inspiration for a generation of designers.

Admission Free



MUSEUM OF THE HISTORY OF SCIENCE
Broad Street, Oxford OX1 3AZ
www.mhs.ox.ac.uk

TOP GALLERY

10.30-4.30 **MAKING CRYSTALS**

Discover the challenge of making crystals and investigate them with microscopes

10.00-5.00 **LEGO BEAM-LINE DEMONSTRATION**

Experts from Diamond Light will demonstrate a laser model of X-ray crystallography, and the cathode-ray tube

10.00-5.00 **BUILD A CRYSTAL CHALLENGE**

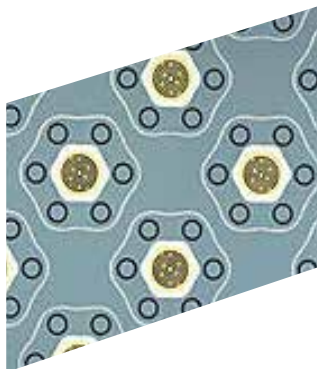
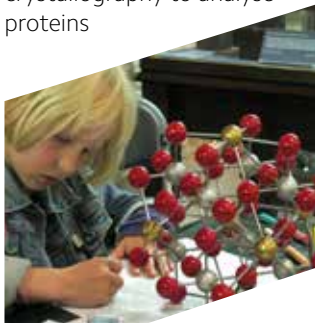
Discover the strength of crystal structures and make a model with scrap materials or Lego

10.30-4.30 **SUPERCONDUCTING MAGNETS**

Prepare to be amazed by a magical demonstration of levitation using crystalline superconductor

10.00-5.00 **SOLAR FUELS**

The latest research in solar fuel technology using crystallography to analyse proteins



BASEMENT

10.30-1.30 **CRYSTAL SYMMETRIES**

Discover the hidden secrets of crystal symmetries and experiment with Penrose tile patterns

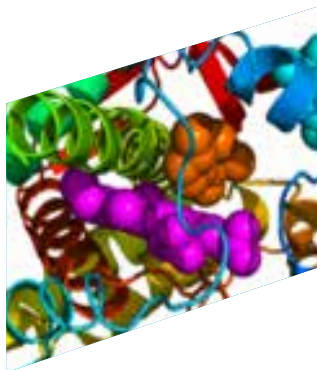
10.30-4.30 **CRYSTAL DELIGHTS!**

Discover the wonderful world of crystals and minerals with experts from the Russell Society

SPECIAL EXHIBITION GALLERY

EXHIBITION TOURS

11.00 / 12.00 / 2.30 / 3.30



MINI TALKS BASEMENT GALLERY

2.00-2.20 **Symmetry and the Double Helix**

Professor Brian Sutton,
King's College London

2.30-2.50 **X-ray Crystallography and the Battle against Tuberculosis**

Professor Elspeth Garman,
Department of Biochemistry,
University of Oxford

3.00-3.20 **Stereochemistry from crystal structures - Pasteur, Penicillin and Point Groups**

Dr Richard Cooper,
Department of Chemistry,
University of Oxford

3.30-3.50 **Dorothy Hodgkin and Oxford crystallography**

Georgina Ferry, author and science writer

