



SYON PARK July 26

Four hundred years ago, an Englishman named Thomas Harriot turned a telescope on the Moon and marvelled at its rugged, cratered surface. The drawing he made that night is the oldest known depiction of a celestial object as seen through a telescope, beating Galileo by four months. Celebrate the anniversary of Harriot's achievement at an astronomically themed day for space enthusiasts young and old on the very site where Harriot made his observations – Syon Park, west London.



See the Sun's seething surface

See and sketch spots and storms on the Sun's surface through special telescopes (weather permitting).

Location: Cactus house, Great Conservatory.

Times: Continuously throughout the day.

Build and launch a water-propelled rocket

Design, build and launch your own water-propelled rocket with demonstrators from the Observatory Science Centre, Herstmonceux.

Location and times: Front lawn. Continuously throughout the day.

Create a Comet

Watch the creation of a mini-comet from dry ice, water and sand – then see it develop a tail!

Demonstrator: Dr Robert Massey (Royal Astronomical Society). **Location:** Great Conservatory. **Duration:** 10 minutes. **Times:** 11.15, 12.15, 13.15, 14.15, 15.15.



Make and take

Create a star-finding wheel or sundial to take away and use.

Location and times: Front lawn. Throughout the day.



Explorer Dome planetarium

See the stars and learn about the Moon and planets in the Explorer Dome inflatable planetarium.

Location: Great Conservatory. **Duration:** 30 minutes. **Charge:** £1 per person.

Times: 11.30, 12.30, 13.30, 14.30, 15.30.

Also: Hands-on science exhibits from the Observatory Science Centre, Herstmonceux, and astronomical displays (all in the Great Conservatory). Trade stands (front lawn). Raffle – win a telescope.

TALKS

THREE TALKS illustrated with exciting space images will be given in the Northumberland Room in Syon House. Each lasts 20 minutes.

Apollo 11: First men on the Moon

On the 40th anniversary of the first manned landing on the Moon, local author and broadcaster Ian Ridpath explains why humans went to the Moon, how they got there and back, and what we learned.

Times: 11.30, 13.30, 15.30.

Return to the Moon

Former BBC special effects man Mat Irvine describes NASA's plans to send humans back to the Moon by the year 2020.

Times: 12.00, 14.00, 16.00.

Living in Space

Greenwich astronomy lecturer Greg Smye-Rumsby explains how astronauts eat, drink, sleep and go to the toilet in space. Look out for Greg roaming the grounds in his space suit during the day.

Times: 12.30, 14.30.

ENTRY FEE: £9 Includes house, gardens and all attractions (except planetarium – £1 extra). Sunday July 26, 11.00 am – 5.00 pm

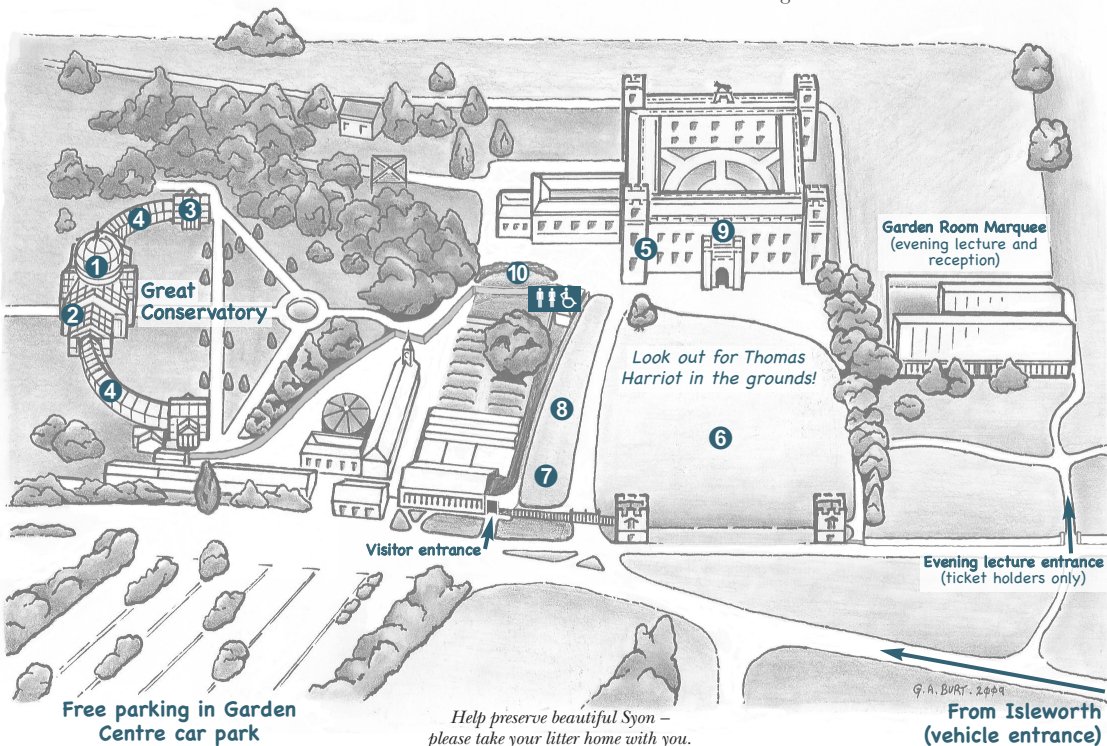


Raffle

Win this 76-mm (3.1-inch) reflecting telescope – an International Year of Astronomy Special Edition. Runner-up prizes include 10 × 50 binoculars and space jigsaws. Raffle to be drawn at 15.50 at the Widescreen Centre trade stand.



- ❶ Inflatable planetarium
- ❷ Create a comet
- ❸ Observing and drawing the Sun
- ❹ Hands-on science activities
- ❺ Talks (Northumberland Room, basement of Syon House)
- ❻ Build and launch a water rocket
- ❼ Trade stands and raffle tickets
- ❽ Make and take a star-finder wheel or a sundial
- ❾ Music and madrigals by choral group Cantamus. Great Hall of Syon House, 16.00–16.20
- ❿ Thomas Harriot memorial plaque, to be unveiled by Lord Egremont at 16.30



Free parking in Garden
Centre car park

Help preserve beautiful Syon –
please take your litter home with you.

Evening lecture entrance
(ticket holders only)

From Isleworth
(vehicle entrance)



Allan Chapman and replica of
Harriot's telescope.

EVENING LECTURE AND RECEPTION 5.30–8 pm

Thomas Harriot – the Englishman who beat Galileo

by Dr Allan Chapman, University of Oxford

Location: The Garden Room Marquee. Followed by a buffet reception with live music of Harriot's time provided by music group Cantamus.

Tickets: £20 each. Purchase e-tickets by phone from Syon Park on 020 8560 0882 (lines are open on weekdays only from 09:30 to 16:30).

Or by post from: Emma Hadleigh-Sparks, Telescope400, Estate Office, Syon Park, Brentford, Middlesex TW8 8JF. Please enclose a stamped self-addressed envelope and cheque (or postal order) payable to: "IYA2009" Telescope400". Your tickets will be posted back to you.

Tickets for the evening lecture and reception include free admission to the house and grounds after 4 pm.