

# INTERNATIONAL ASTEROID DAY

**30 JUNE**  
**2026**

Compiled & Designed by  
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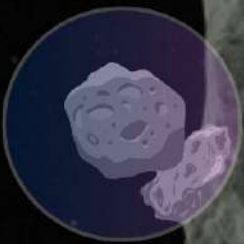
organised by  
National Space Club and its Members



# what exactly are **Asteroids ?**

**Asteroids are rocky objects that orbit the Sun.  
They are leftovers from the formation of our  
Solar System around 4.6 billion years ago**

## QUICK FACTS



### Rocky & metallic

Made of rock  
metal & ice  
sometimes



### Millions exist

Millions of  
asteroids  
orbit the Sun.



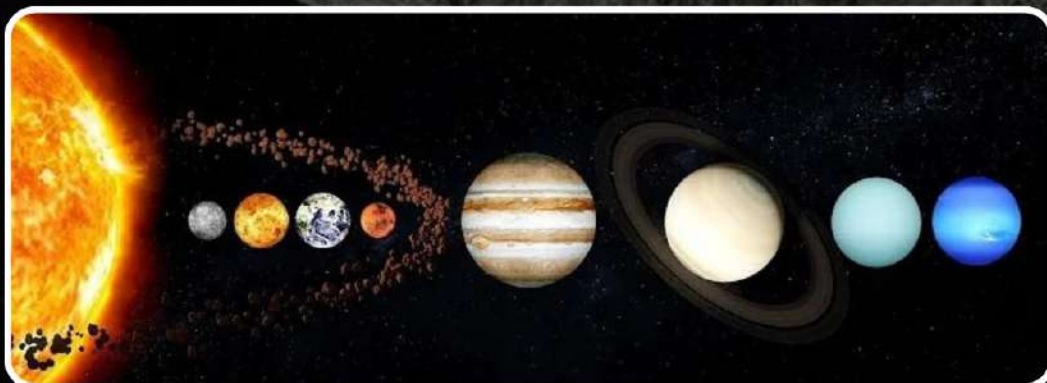
### Main home

Most are found  
in the Asteroid  
Belt between  
Mars & Jupiter



### Different sizes

From tiny  
pebbles to  
hundreds of  
kilometers  
wide





# TYPES OF ASTEROIDS

Asteroids come in different compositions and shapes!



## C-TYPE(CARBONACEOUS)

Dark, rich in carbon & water. The most common type.



## S-TYPE(SILICATE)

Made of rock & silicate minerals. Shiny and bright.



## M-TYPE(METALLIC)

Made mostly of metallic minerals like iron & nickel.



SCIENTISTS USE POWERFUL TELESCOPES TO FIND, TRACK & STUDY ASTEROIDS!





# WHY ARE **ASTEROIDS** SO IMPORTANT?



## HISTORY CHANGED BY ASTEROIDS

About 66 million years ago, a giant asteroid impact contributed to the extinction of the dinosaurs



## NEAR-EARTH ASTEROIDS (NEAs)

Some asteroids come closer to Earth. Scientists track them to understand their paths and potential risks



## SCIENTIFIC TREASURES

Asteroids are time capsules. They hold clues about the birth of our solar system and the building blocks of life



## RESOURCES OF THE FUTURE

Asteroids may contain precious metals, water and other resources that can support future space missions



# HOW DO WE PROTECT EARTH?

## Planetary Defense in Action!



### DETECT

Powerful telescopes scan the sky to find asteroids near earth



### TRACK

We track their orbits and study their size, shape and speed



### PREDICT

Computers predict future paths to assess any potential threats



### DEFLECT

If needed we can change an asteroid's path using spacecraft missions

# FAMOUS **ASTEROID** MISSIONS

## **DART** (NASA)

The double asteroid Redirection Test mission successfully changed the orbit of an asteroid! A giant leap for planetary defense.

## **OSIRIS-REx** (NASA)

Collected samples from asteroid Bennu and returned them to Earth. Unlocking secrets of our cosmic origins!





**Date: 30 June 2026**  
**Time: 12PM Onwards**  
**Online Webinar**  
**Via Youtube Live**

**Registration Link:**

[https://nsc.indiaspaceweek.org/international\\_asteroid\\_day/registration\\_form/](https://nsc.indiaspaceweek.org/international_asteroid_day/registration_form/)

# JOIN NATIONAL SPACE CLUB

Link: [https://nsc.indiaspaceweek.org/membership\\_form/](https://nsc.indiaspaceweek.org/membership_form/)

## CONTACT DETAILS

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