

# NASA's pioneering asteroid mission

A spacecraft named Lucy will be the first-ever to explore Jupiter's so-called Trojan asteroids – ancient remnants of the early solar system – and could revolutionise our knowledge of planetary origins

Human to scale



Cameras and spectrometers

Antenna

Solar panels

Trojan asteroids Jupiter

Trojan asteroids

## LUCY'S TARGETS

**1** Apr 2025  
Donaldjohanson



**2** Aug 2027  
Eurybates



**3** Sep 2027  
Polymele



**4** Apr 2028  
Leucus

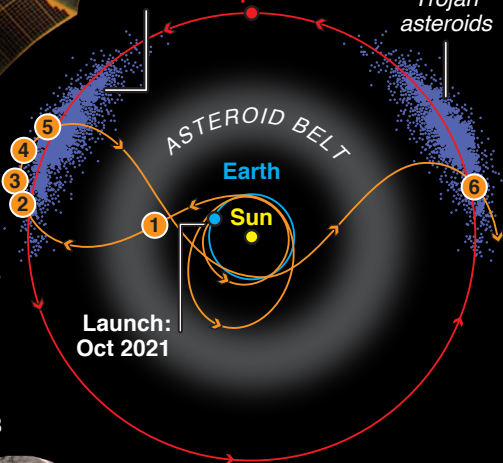


**5** Nov 2028  
Orus



**6** Mar 2033: Patroclus and Menoetius

100km



## TROJAN ASTEROIDS

Clustered in two swarms trapped in Jupiter's gravity, leading and trailing planet in its path around sun

**Lucy to flyby seven asteroids to investigate composition, mass, density and volume**