

# Launch Window

Nov. 23, 2021 – Feb. 15, 2022

SpaceX Falcon 9

Vandenberg Space Force Base, CA

- Target the binary asteroid Didymos system
- Impact Dimorphos and change its orbital period
- Measure the period change from Earth

Sept. 26 – Oct. 1, 2022

**LICIACube**  
(Light Italian Cubesat  
for Imaging of  
Asteroids)  
ASI contribution

**DART Spacecraft**  
610 kilograms at launch;  
~550 kilograms at impact  
15,000 miles per hour  
(6.6 kilometers per second)

**Dimorphos**  
160 meters  
11.92-hour orbital period

1,180-meter separation  
between centers

**Didymos**  
780 meters  
2.26-hour rotation period

## Earth-Based Observations

6.8 million miles (0.07 AU) from  
Earth at DART impact

