

First commercial spaceflight to dock with ISS

Space X's *Dragon* capsule is set to become the first commercial space vehicle to dock with the International Space Station

INTERNATIONAL SPACE STATION

DRAGON CAPSULE

Delivery

Falcon 9 rocket powered by nine Merlin engines using refined kerosene and liquid oxygen

Dragon

Houses pressurized cargo, avionics, rockets, and parachutes for re-entry

Second stage

Powered by single Merlin engine

Harmony node

Canadarm 2 robot arm

Final approach
ISS crew member uses **Canadarm 2** to grapple capsule and swing it up to berth with **Harmony** node

Safety first
3km from ISS, **Dragon** conducts tests to ensure it can dock safely, or abort if necessary