

## Assembly Resource

Read through the information below, which explains more about the Perseverance rover and its journey. Are you surprised about what it has achieved already? What do you think it might teach us about Mars?

### NASA's Perseverance rover

**Mission Name:** Mars 2020

**Rover Name:** Perseverance

**Main Job:** The Perseverance rover will seek signs of ancient life and collect rock and soil samples for possible return to Earth.

**Launch:** 30<sup>th</sup> July 2020, Cape Canaveral Air Force Station, Florida, USA

**Landed:** 18<sup>th</sup> February 2021

**Landing Site:** Jezero Crater, Mars

**Mission Duration:** At least one Mars year (about 687 Earth days)

*How does the rover search for signs of past life?*

The rover's landing site, Jezero Crater, is a 49km (30 mile) depression. More than 3.5 billion years ago, scientists think, river channels spilled over the wall of Jezero to form a lake. It is in this area, that scientists believe they may find signs of past life.

*Why does Perseverance have so many cameras?*

Perseverance has 23 cameras, more than any other interplanetary mission in history. They helped engineers put together a high-definition view of the landing process. They continue to deliver images of the landscape in great detail.

