

LEGO® CHALLENGE

~ Build your own ROCKET ~

Dear Students,

“NASA WANTS YOU TO BUILD A NEW ROCKET!”

Are you wondering how to start? First, you must consider what kind of rocket you are going to build. Remember, rockets, after all, are not designed the same – the world is full of a variety of rockets, each designed for a different purpose.

1. What is special about your Rocket?

The new rocket you are going to build is to be designed for the purpose of human exploration of deep space. Specifically, it's going to be the rocket that will enable human-led missions to Mars!

2. Call in the Experts

You work with other rocket designers (*siblings and friends*), in both the government and commercial spaceflight worlds (*mom & dad*). Brainstorm ideas - there is no limit to what you can come up with!

3. Start Drawing

You start creating rocket designs. Draw your sketches and then paint them, so later you know which Lego bricks to use.

4. Pick the best design

Select the best of your designs - and so, from the thousands, the one left - the design that could not only carry out the mission to Mars, but could do so most safely, affordably and sustainably.

5. Now Build Your Rocket

Separate all bricks by color and shape and then you can start. Piece by piece, your design will be made real.

- Take a photo of yourself next to your project
- Share with us on email: slo@iscerbil.sabis.net
- Share with us your photos on the WhatsApp SLO® Number: 009647517851381

