

Mars Rover Ingenuity helicopter, Project Make

Due: 4th period, Tuesday 2/9/21 midnight

3rd & 7th, Wednesday 2/10/21 midnight

As I mentioned a few weeks ago, on February 18, 2021 NASA is landing another rover onto Mars. The rover, named Perseverance, has a helicopter drone. Today you will be making a 3D model of the helicopter.

Here's a link with info about the helicopter:

<https://mars.nasa.gov/technology/helicopter/>

Here's a link to an interactive 3D model:

<https://mars.nasa.gov/resources/25043/mars-ingenuity-helicopter-3d-model/>



In Tinkercad make a model of the helicopter. Your model needs to have the following components:

- Rectangular boxy body
- Four legs that go out at angles
- Landing "feet" at the end of the legs
- Two sets of propellers (see photo and review details via the NASA link)
- A flat non-spinning plate above the propellers
- An antenna up top.

See the NASA link for pictures and video.

Here is a link all about the overall rover mission: <https://mars.nasa.gov/mars2020/>

If you do the bare minimum (that is, exactly or barely satisfy my six bullet points above) I will give you 8 or 9 out of 10. If you also make the model look interesting or cool in an appropriate way I will give you 10/10. Options are to add context (a landscape or something else in the model that the helicopter might find on Mars) to add additional interesting details to the actual helicopter, or something else you think of that is creative and makes the model interesting and fun to look at.

Turn in a Tinkercad Share link when you are done.