



# Mars Helicopter Challenge- From Concept to Digital Creation

Friday, February 5<sup>th</sup> at 9:15am-10:00am  
Virtual Classroom 6



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**Abigail Pope**- NASA OKSG STELLAR Class of 2020-2021 Participant

**Session Overview:** NASA's Ingenuity Mars Helicopter Mission will attempt to successfully fly for the first time on another planet. We will focus on the mission and also use inquiry to design an effective rotor motor using paper, then recycled materials, and finally digital software.

While you are welcome to watch our presentation and try out the activities at a later time, we encourage our participants to complete the activities as we present live. If you choose to participate with us in real time, you will need the following materials:

- Printed copy of Rotor Motor Template (or a sheet of cardstock or notecard)  
[https://www.nasa.gov/pdf/205711main\\_Rotor\\_Motor.pdf](https://www.nasa.gov/pdf/205711main_Rotor_Motor.pdf) - print on cardstock
- Scissors
- Paper clip (or tape)
- Any light weight recycled materials (toilet paper rolls, Styrofoam plates, notecards, tape, etc.)