

EXPLORATIONS

FISKE PLANETARIUM

TESS: Discovering New Worlds

<https://www.colorado.edu/fiske/about-us/fiske-productions>

The Transiting Exoplanet Survey Satellite, or TESS, is currently looking all over the sky at 200,000 nearby stars, searching for new planets. It does this by measuring how a star's brightness changes over time. A planet that travels in front of its star will block out the star's light, which TESS will measure as a dimming. This method can also tell us about the planet's size, orbit, and even a bit about its atmosphere.

Interview: Zachory Berta-Thompson, Professor at the Center for Astrophysics and Space Astronomy, University of Colorado Boulder.

Educational Resources

TESS overview and videos

<https://www.nasa.gov/content/about-tess>

<https://tess.mit.edu/>

<https://svs.gsfc.nasa.gov/Gallery/TESS.html>

Latest TESS news stories

<https://www.nasa.gov/content/latest-tess-stories>

Exoplanets page from NASA Space Place

<https://spaceplace.nasa.gov/all-about-exoplanets/en/>

Classroom activities on planet finding

<https://www.nasa.gov/kepler/education/formal>

<https://www.jpl.nasa.gov/edu/teach/tag/search/Exoplanets>

Helps scientists find planets with the TESS citizen science project from Zooniverse: Planet Hunters

<https://www.zooniverse.org/projects/nora-dot-eisner/planet-hunters-tess>

Interactively explore exoplanets with NASA's Eyes on Exoplanets app

<https://eyes.nasa.gov/eyes-on-exoplanets.html>

NASA's Science Activation Program funds 24 teams to connect NASA science experts, real content, and experiences with community leaders to do science in ways that activate minds and promote understanding. Fiske's Explorations project is one of those teams.

<https://science.nasa.gov/science-activation-team/fiske-planetarium>

