WeTeach_AI

V. Romero Science Lesson Plan Series

Order of Lessons
1. Launching Into Stars & AI Prompting
2. Exploring Star Data with AI
3. Analyzing & Reflecting on AI's Role in Astronomy

Instructional Considerations

Differentiation: Please review IEP accommodations for Special Education and 504 students. Allow for small group support if needed. Printed copies of data sets and student worksheets can be supplied to students that require hard copy notes. Provide sentence stems for students that need help prompting AI.

Technology Limitations: Please be cognizant of your districts' restrictions on certain Large Language Models. If there are limited devices available, have students pair up using available devices. Printed copies of the cosmic collaborator worksheets can also be provided to students.

Common Student Misconceptions: HR Diagram

1. Students tend to connect the color red to being hot. When analyzing the HR diagram, the hottest stars are blue in color. Red colored stars are considered cooler stars.
2. The HR diagram is a map of space
3. The brightest stars are the biggest stars.
4. The moon belongs on the HR diagram.
5. The main sequence is a physical place in space.