

One Sky

hands-on astronomy for students

What is this project about?

A virtual education framework for students (classes 8-10) with the goal to introduce the basics of astronomy, providing them with observational techniques and tools to study the stars in the night sky



Astronomy & Spectroscopy

- Using an all-sky chart to identify bright stars, star-clusters and planets
- Learning the science of spectroscopy and how to use it to study stars



Stellar Analysis

- Estimate composition of stars by studying emission and absorption
- Measuring the oxygen and hydrogen levels in stars to understand stellar properties

Timeline: 1 hour/week for 3 months starting August 2022

What are the learning outcomes?

To demonstrate an understanding and purpose of astronomy and spectroscopy, and to be able to study the night sky using telescopes and all-sky charts to make informed conclusions

Who are we?

We are a team of dedicated scientists and teachers developing educational programmes to make science equitable for all by connecting communities to frugal, state-of-the-art resources.



Click to participate

www.openfieldcollective.org

