**NGSS Correlation with LSST Investigations**

The table below references LSST investigations which support NGSS Performance Expectations:

|  |  |
| --- | --- |
| **NGSS Performance Expectation** | LSST investigation(s) |
| Earth's Place in the Universe |  |
| [MS-ESS1-2](https://www.nextgenscience.org/pe/ms-ess1-2-earths-place-universe) | Classifying Asteroids; Classifying Comets |
| [MS-ESS1-3](https://www.nextgenscience.org/dci-arrangement/ms-ess1-earths-place-universe) | Classifying Asteroids; Classifying Comets; Searching for Dwarf Planets; Mining the Sky |
| [HS-ESS1-1](https://www.nextgenscience.org/pe/hs-ess1-1-earths-place-universe) | The H-R Diagram: A Window to the Stars; Sizing up the Sun; Supernovae; Variable stars; Mining the Sky |
| [HS-ESS1-2](https://www.nextgenscience.org/pe/hs-ess1-2-earths-place-universe) | Understanding Filters; Photometric Redshift of Galaxies; Studying Galaxies through a Gravitational Lens; Distance Ladder; Dark Matter |
| [HS-ESS1-3](https://www.nextgenscience.org/pe/hs-ess1-4-earths-place-universe) | The H-R Diagram: A Window to the Stars; Sizing up the Sun; Supernovae |
| [HS-ESS1-4](https://www.nextgenscience.org/pe/hs-ess1-4-earths-place-universe) | Distance ladder; Exoplanets; Calculating the orbit of a solar system object; Classifying Asteroids; Classifying Comets; Searching for Dwarf Planets; Mining the Sky |
| Waves and their Applications in Technologies for Information Transfer |  |
| [MS-PS4-2](https://www.nextgenscience.org/dci-arrangement/ms-ps4-waves-and-their-applications-technologies-information-transfer) | Filtering Starlight |
| [HS-PS4-1](https://www.nextgenscience.org/sites/default/files/evidence_statement/black_white/HS-PS4-1%20Evidence%20Statements%20June%202015%20asterisks.pdf) | Filtering Starlight; Stars as Blackbodies; Variable Stars |