

September 22, 2021  
MSE 2101 topics

- One remaining example:
  - What would Earth's orbital period be if the Sun were twice as massive?
- The Hallmarks of science:
  - ditch supernatural!
  - create testable models for which Occam's razor applies!
  - test predictions, revise, abandon if faulty!
- Science vs. pseudoscience
- The Trial of Galileo; can science and religion co-exist?
- Building blocks of matter: atoms, molecules and compounds
- Charge and ions
- Atomic number (Z) and mass number (A)
- Isotopes
- Phases of matter