Physical Science Spring 2025

Week 29

March 31 – April 4

RETURN FROM SPRING BREAK

Mon 3/31

* Promethean Review- Definitions & Equations Review
* Balancing & Name Equations Quiz

Tu 4/1

* MegaLab flame test class vid (4:48): <https://www.youtube.com/watch?v=NEUbBAGw14k>
* Promethean (in color) with student ws (black & white)- students do patterns and fingerprints in nature; class discussion of what several students thought the patterns were, then key presented (5 -10 min)
* Students continue backside of worksheet on patterns and fingerprints (10 -15 min) with class discussion on Promethean afterward to reveal the answers
* Review: What is a fingerprint? Fingerprints are unique patterns
* Review: What is a pattern? A design that appears or happens in a regular way
* Short Review of light wavelengths from longest to shortest (ROY G BIV) & light is a small part of the EM spectrum that is visible to humans
* How do we Know What Stars are Made Of **with FA,** 4:25 (students will do the FA from the website) <https://www.youtube.com/watch?v=FQJj2kBJ5A8>

(ATOMIC FINGERPRINT)

Wed/Thurs

* Class: Spectral Fingerprints
* Class Vid: Emission spectra (2:59) <https://www.youtube.com/watch?v=7_2Wi646M0o>
* Short discussion that each element has its own unique emission spectrum (unique fingerprint)
* Graphing the Rainbow Background Reading (can be class reading), followed by Promethean Pattern Spectra with class discussion
* Students then try to match the spectrum with its graph
* Lab: Fingerprinting Light Sources

Fri 4/04

* Act: Using spectral Data to explore Planet Saturn & Moon Titan- students may work with a seat partner, work turned in today

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