



Earth Science - Week at a Glance

Monday

Timeline of the
universe activity

Big bang notes Part 1

Tuesday

Big bang notes part 2

Doppler effect
activity

Wednesday

No science 😞

Thursday

Spectroscope lab!

Friday

First quiz



Monday

Tasks

- ☐ Bellringer question!
- ☐ Finish timeline estimations
- ☐ Fill in notes on actual timeline
- ☐ Million vs billion
- ☐ Big bang notes part 1

Success Criteria

I am learning...

- ☐ ...to make observations of the moon
- ☐ ...to critically think about why the moon changes throughout its cycle
- ☐ ...to determine the timeline of the universe

Bell Ringer

Thinking back to Friday, was your timeline evenly spaced? Are there events you think were clustered together? If so why? (full sentences 😊)

Homework

Moon journal!

Moon Phase of the Day

The Moon's current phase for today and tonight is a Waxing Gibbous phase. Visible through most of the night sky setting a few hours before sunrise. This phase is when the moon is more than 50% illuminated but not yet a Full Moon. The phase lasts about 7 days with the moon becoming more illuminated each day until [the Full Moon](#).

During a Waxing Gibbous the moon rises in the east in mid-afternoon and is high in the eastern sky at sunset. The word Gibbous first appeared in the 14th century and has its roots in the Latin word "gibbosus" meaning humpbacked.



Tuesday

Tasks

- ☐ Bellringer question!
- ☐ Finish big bang part 1 notes of needed
- ☐ Big bang part 2 notes
- ☐ Doppler effect article and activity

Success Criteria

I am learning....

- ☐ ...to analyze evidence from the big bang
- ☐ ...to collect and organize evidence for the creation of the universe

Bell Ringer

In your own words, what is inflation from our notes yesterday?

Homework

- ☐ Moon journal!

Moon Phase of the Day

Tonight the Moon will be in a Waxing Gibbous phase. Visible through most of the night sky setting a few hours before sunrise. This phase is when the moon is more than 50% illuminated but not yet a Full Moon. The phase lasts about 7 days with the moon becoming more illuminated each day until the Full Moon.

Thursday

Tasks

- ☐ Bellringer question!
- ☐ Learning without seeing lab

Success Criteria

I am learning...

- ☐ ...that scientific observations can be made without being able to see
- ☐ ...how to make thoughtful observations with limited information

Bell Ringer

From yesterday, explain to me the Doppler effect

Homework

- ☐ Finish lab questions if not done during class

Moon Phase of the Day

On this day the Moon will be in a Waxing Gibbous phase. Visible through most of the night sky setting a few hours before sunrise. This phase is when the moon is more than 50% illuminated but not yet a Full Moon. The phase lasts about 7 days with the moon becoming more illuminated each day until the Full Moon. It will be 99% illuminated tonight.



Friday

Tasks

- ☐ First Quiz!

Learning Statements

I am learning...

- ☐ ...to make observations of the moon
- ☐ ...to critically think about why the moon changes throughout its cycle
- ☐ ...to determine the timeline of the universe

Bell Ringer

How does a spectroscope help us to identify elements in the universe?

Homework

Moon Phase of the Day

On this day the Moon will be in a [Full Moon](#) phase. The Moon will be visible throughout the night sky rising at sunset in the east and setting with the sunrise the next morning in the west. During a Full Moon the moon is 100% illuminated as seen from Earth and is on the opposite side of the Earth from the Sun. The point at which a Full Moon occurs can be measured down to a fraction of a second. The time it takes between full moons is known as a Synodic month and is 29.530587981 days long.