

GSPS: Teaching High School Astronomy



What is it like to teach High School?

- ❖ Think: Think of one word that best encompasses what you think teaching in high school is like.
- ❖ Pair: Talk with 1-2 other people and agree on the best word
- ❖ Share: Tell us the best word and explain what you mean by it and why you chose it.

Adjunct Prof



- ❖ Y'all tell me about it!
- ❖ If you are interested in Teaching, Learning, or Pedagogy, then teaching High School is a viable option.
- ❖ If you HATE teaching...
- ❖ PLEASE don't!
- ❖ No, you are not over qualified. We would love to have you.

MANOR ISD

2013-2014

TEACHER/PROFESSIONAL SALARY SCHEDULE

| Years Exp | Teacher Scale | Librarian Scale | RN Scale | SLP, OT, Diagnostician, LSSP, Elem Counselor | Counselor (MS, HS) | Years Exp |
|------------|---------------|-----------------|------------|--|--------------------|------------|
| | 187 | 192 | 192 | 202 | 212 | |
| 0 | \$43,500 | \$44,663 | \$44,663 | \$52,000 | \$54,750 | 0 |
| 1 | \$43,800 | \$44,971 | \$44,971 | \$52,300 | \$55,000 | 1 |
| 2 | \$44,000 | \$45,176 | \$45,176 | \$52,600 | \$55,300 | 2 |
| 3 | \$44,200 | \$45,382 | \$45,382 | \$53,043 | \$55,738 | 3 |
| 4 | \$44,400 | \$45,587 | \$45,587 | \$53,328 | \$55,999 | 4 |
| 5 | \$44,600 | \$45,793 | \$45,793 | \$53,607 | \$56,259 | 5 |
| 6 | \$44,800 | \$45,998 | \$45,998 | \$54,039 | \$56,713 | 6 |
| 7 | \$45,062 | \$46,267 | \$46,267 | \$54,493 | \$57,189 | 7 |
| 8 | \$45,456 | \$46,671 | \$46,671 | \$54,918 | \$57,636 | 8 |
| 9 | \$45,863 | \$47,089 | \$47,089 | \$55,358 | \$58,097 | 9 |
| 10 | \$46,184 | \$47,419 | \$47,419 | \$55,705 | \$58,461 | 10 |
| 11 | \$46,398 | \$47,639 | \$47,639 | \$55,936 | \$58,704 | 11 |
| 12 | \$46,612 | \$47,858 | \$47,858 | \$56,367 | \$59,160 | 12 |
| 13 | \$46,827 | \$48,079 | \$48,079 | \$56,667 | \$59,458 | 13 |
| 14 | \$47,209 | \$48,471 | \$48,471 | \$56,912 | \$59,723 | 14 |
| 15 | \$48,132 | \$49,419 | \$49,419 | \$57,809 | \$60,669 | 15 |
| 16 | \$49,054 | \$50,366 | \$50,366 | \$58,805 | \$61,713 | 16 |
| 17 | \$49,977 | \$51,313 | \$51,313 | \$59,802 | \$62,761 | 17 |
| 18 | \$50,898 | \$52,259 | \$52,259 | \$60,797 | \$63,805 | 18 |
| 19 | \$51,821 | \$53,207 | \$53,207 | \$61,794 | \$64,854 | 19 |
| 20 | \$52,766 | \$54,177 | \$54,177 | \$62,815 | \$65,923 | 20 |
| 21 | \$53,509 | \$54,940 | \$54,940 | \$63,617 | \$66,765 | 21 |
| 22 | \$54,273 | \$55,724 | \$55,724 | \$64,443 | \$67,629 | 22 |
| 23 | \$55,038 | \$56,510 | \$56,510 | \$65,269 | \$68,499 | 23 |
| 24 | \$55,803 | \$57,295 | \$57,295 | \$66,095 | \$69,366 | 24 |
| 25+ | \$56,567 | \$58,079 | \$58,079 | \$66,919 | \$70,232 | 25+ |

Notice:

Teachers, librarians and registered nurses will receive an additional salary supplement of \$1000 for a Masters' Degree. The degree supplement for counselors, diagnosticians, LSSP's and occupational therapists is built into the salary schedule.



Benefits



- ❖ Center of attention...or not!
- ❖ \$60,000/ year with 2 months of unpaid vacation. (i.e. summers ~off)
- ❖ Variety... tons of it... if you want it. (8 years = Physics, Chemistry, PE in Africa; Health in Austin, Environmental Science, SRD, Astronomy, Engineering and Physics in Manor.)
- ❖ Time with students and freedom to go deeper
- ❖ Room for advancement: Instructional Coaches, Principals etc...

Differences in Roles



- ❖ Parents, Parents, Parents Parents, Parents
- ❖ Setting students up for success
- ❖ Differentiated Instruction and Accommodations
- ❖ Structure and how often you have to repeat yourself
- ❖ Homework and makeup work
- ❖ No TA's – You have to grade yourself
- ❖ If you are doing it right, it is tough work ("Want to teach? When can you start?" IDIOTIC!!!)
- ❖ Not graduating High school can literally ruin their life

Pause for Questions:



- ❖ If we have time...
- ❖ The following is something that I have done with my astronomy students...

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Photo taken and edited on iPhone

THE MOON LANDING WAS FAKED!!!!



1969 – The year of the Hoax

Motives



- ❖ Space Race – We HAD to beat Russia.
- ❖ October 4, 1957- Sputnik
- ❖ 1958 – America's first satellite and NASA
- ❖ 1959 – Luna 2 – First space probe hit the Moon
- ❖ March 1961 – American Chimp in space
- ❖ April 1961 – Yuri Gagarin – First person to orbit the earth
- ❖ May 1962 – JFK said we would land on the Moon before the end of the decade. “Project Apollo” was in place



More Motives

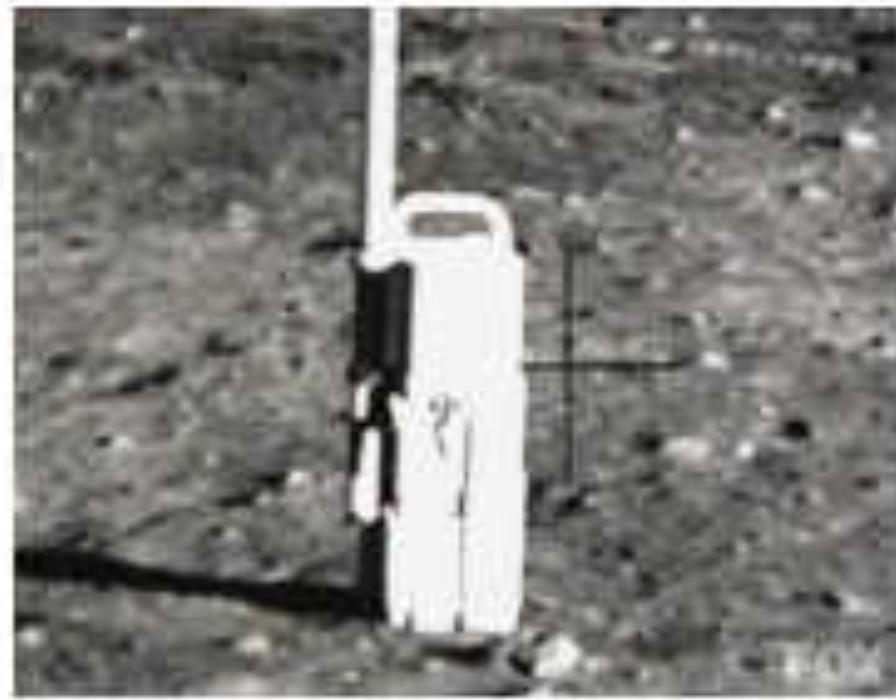


- ❖ **MONEY!!!!** – 30 billion dollars in fact. From 1961-1964, NASA's budget increased 500%
- ❖ Get America to stop thinking about Vietnam 1955-75
- ❖ Risk – 1960's technology meant that there was a good chance of the mission failing
- ❖ We stopped “going to the Moon” around the time that the war ended. Coincidence? I think NOT!



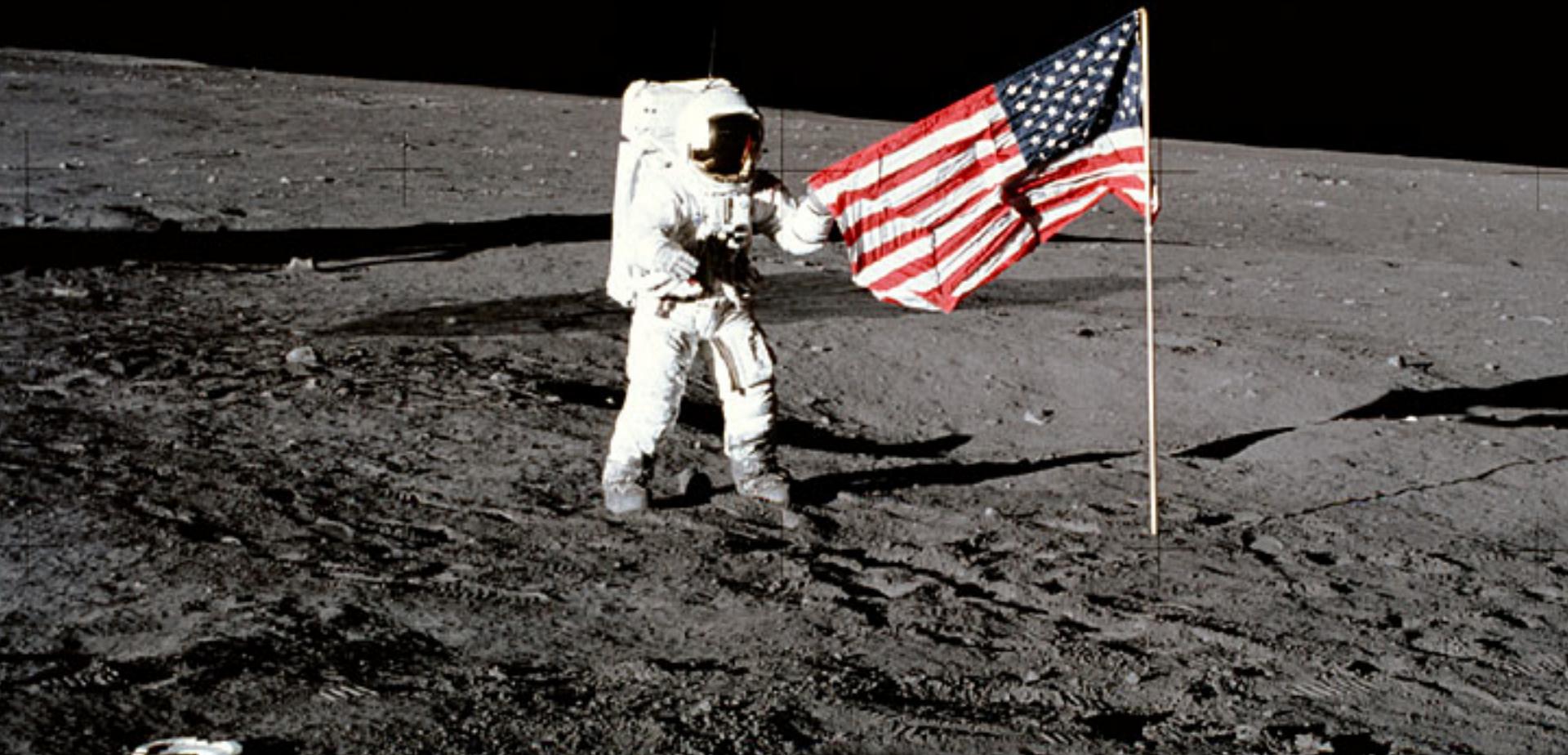
Evidence PROOF

Crosshair Washout



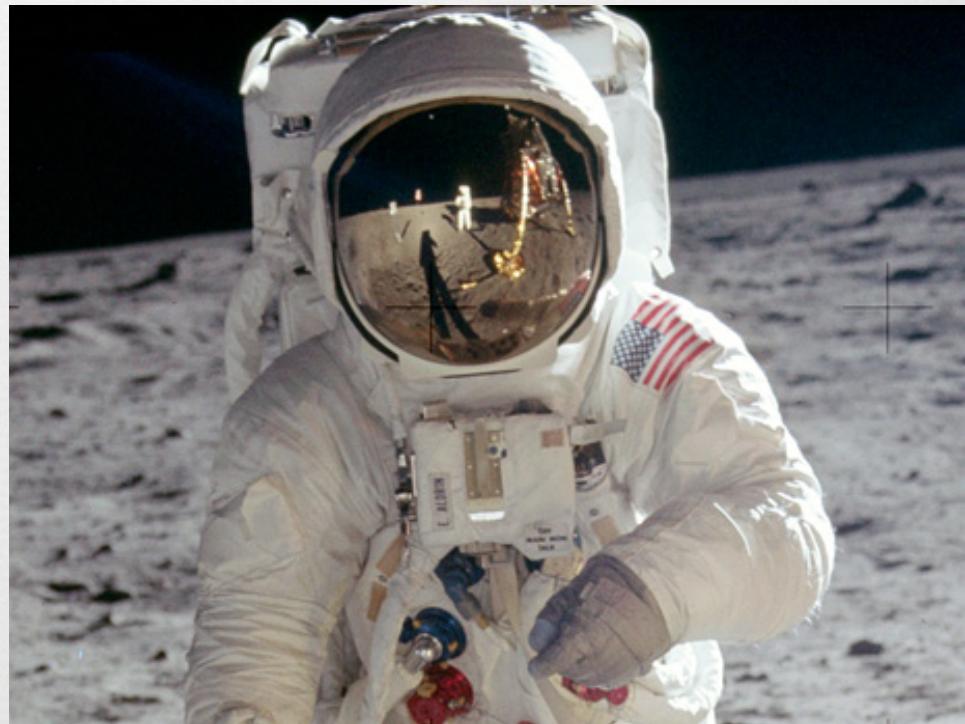
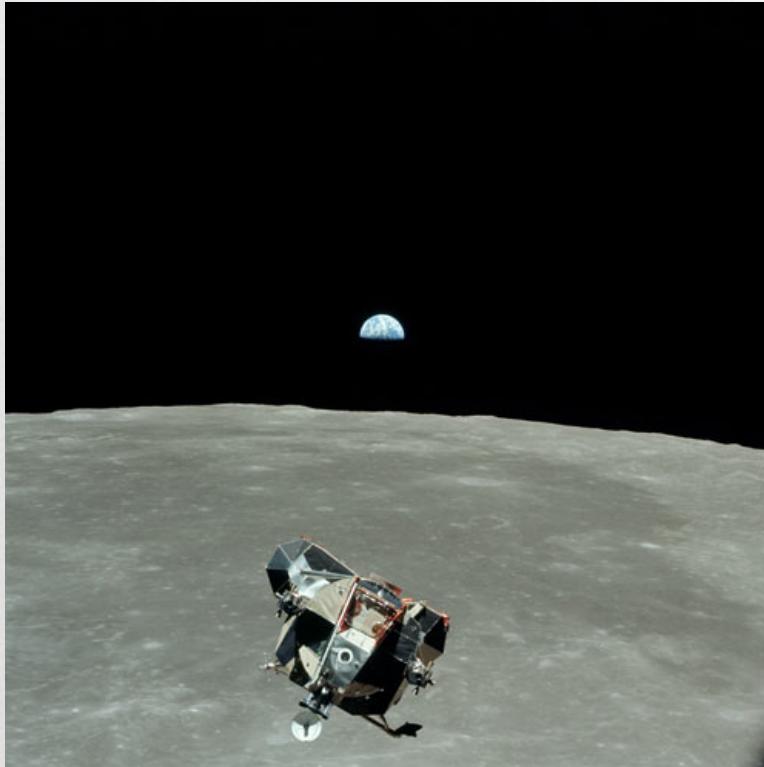
- Notice the crosshairs behind the object
- The cameras were supposedly fitted with a clear glass plate with crosshairs. This picture shows that the images were pasted over the photo.

No Stars in the pictures –
REALLY?!?!!?



Still No Stars

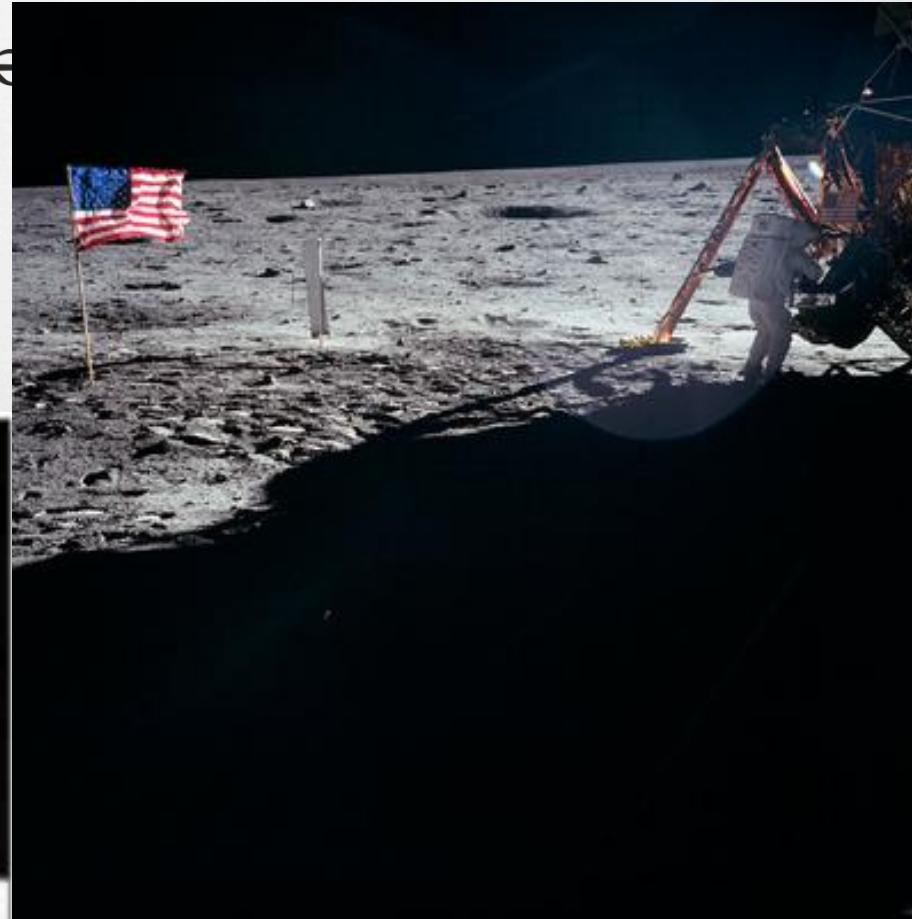
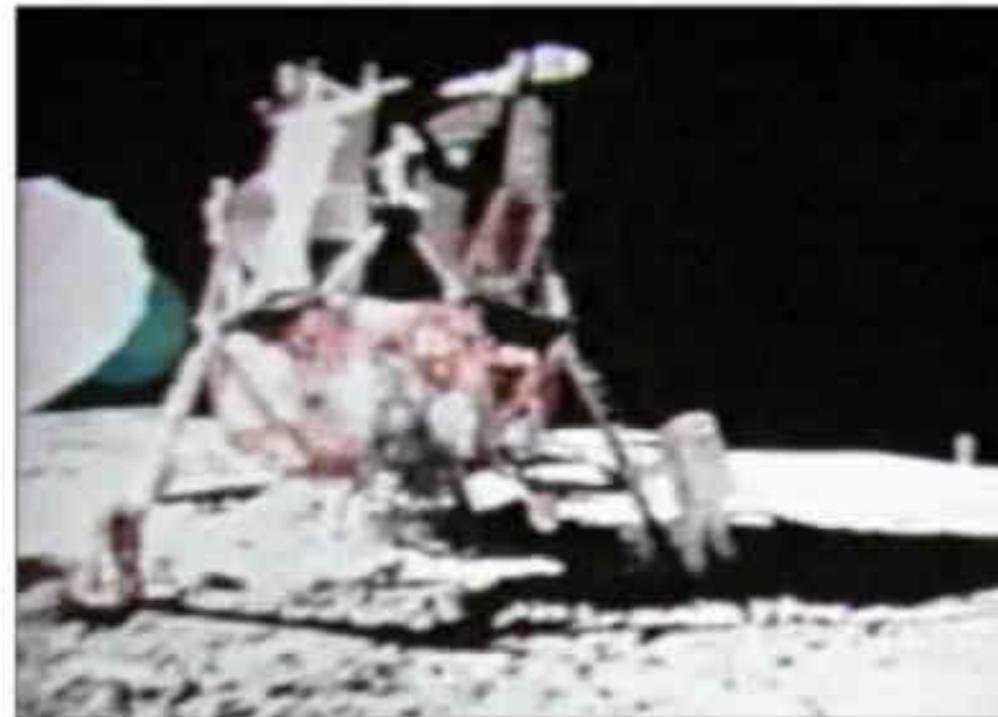
What a silly mistake



Illumination in Shadow



If the only source of light on the Moon is the sun, then why are the astronauts illuminated in the shadow? A spotlight or stage lighting must have been used.





If the sun is the only source of light, then why is the astronaut illuminated in the front? Notice how many details that you can see in the picture.

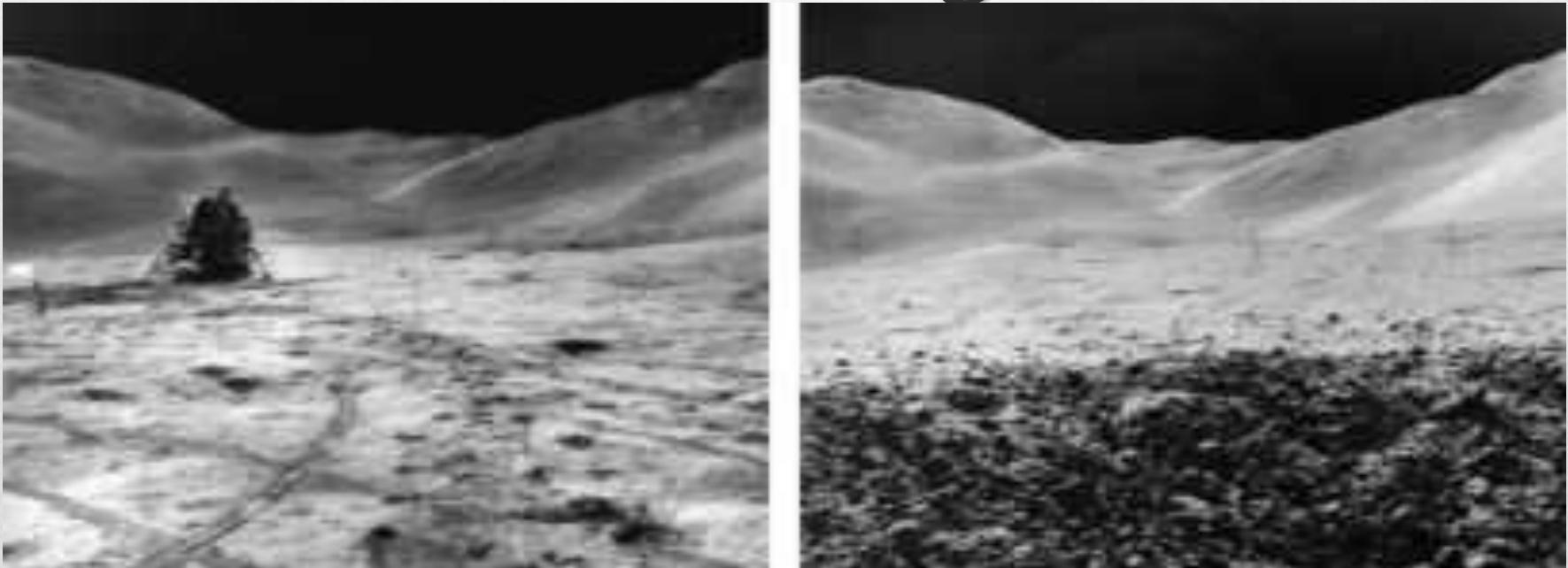
Different Shadow Lengths



If there is only one source of light, how can there be shadows of different lengths that are not parallel?
COME ON!! They were clearly using stage lighting.

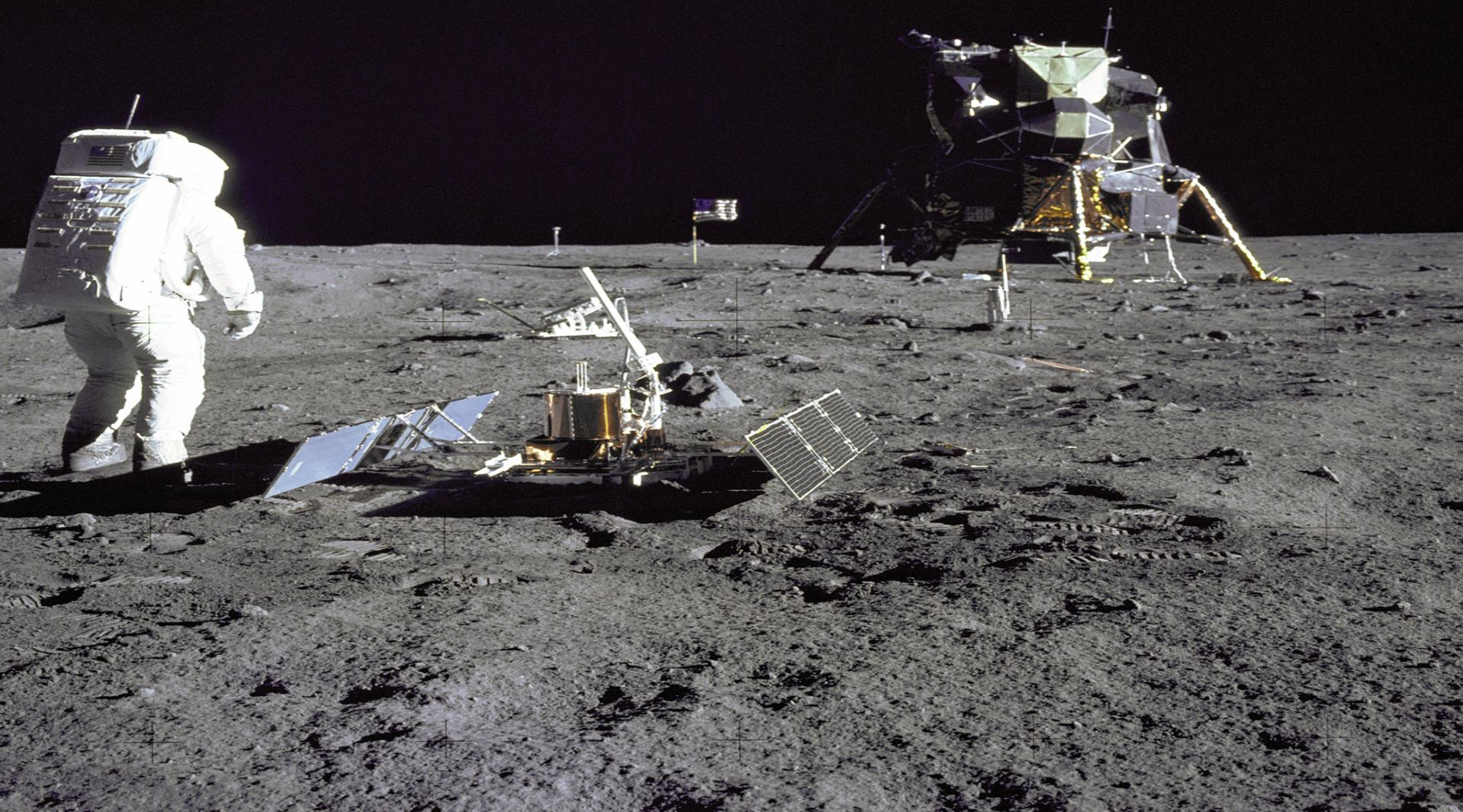


Identical Backgrounds



Funny how these two photos have different foregrounds and the same background. This is so clearly a movie set. This is lazy movie making!!!

A rocket capable of landing on the Moon should have a burned out blast crater. The rocket is capable of 10,000 pounds of thrust. Why is there no crater?



Footprints!

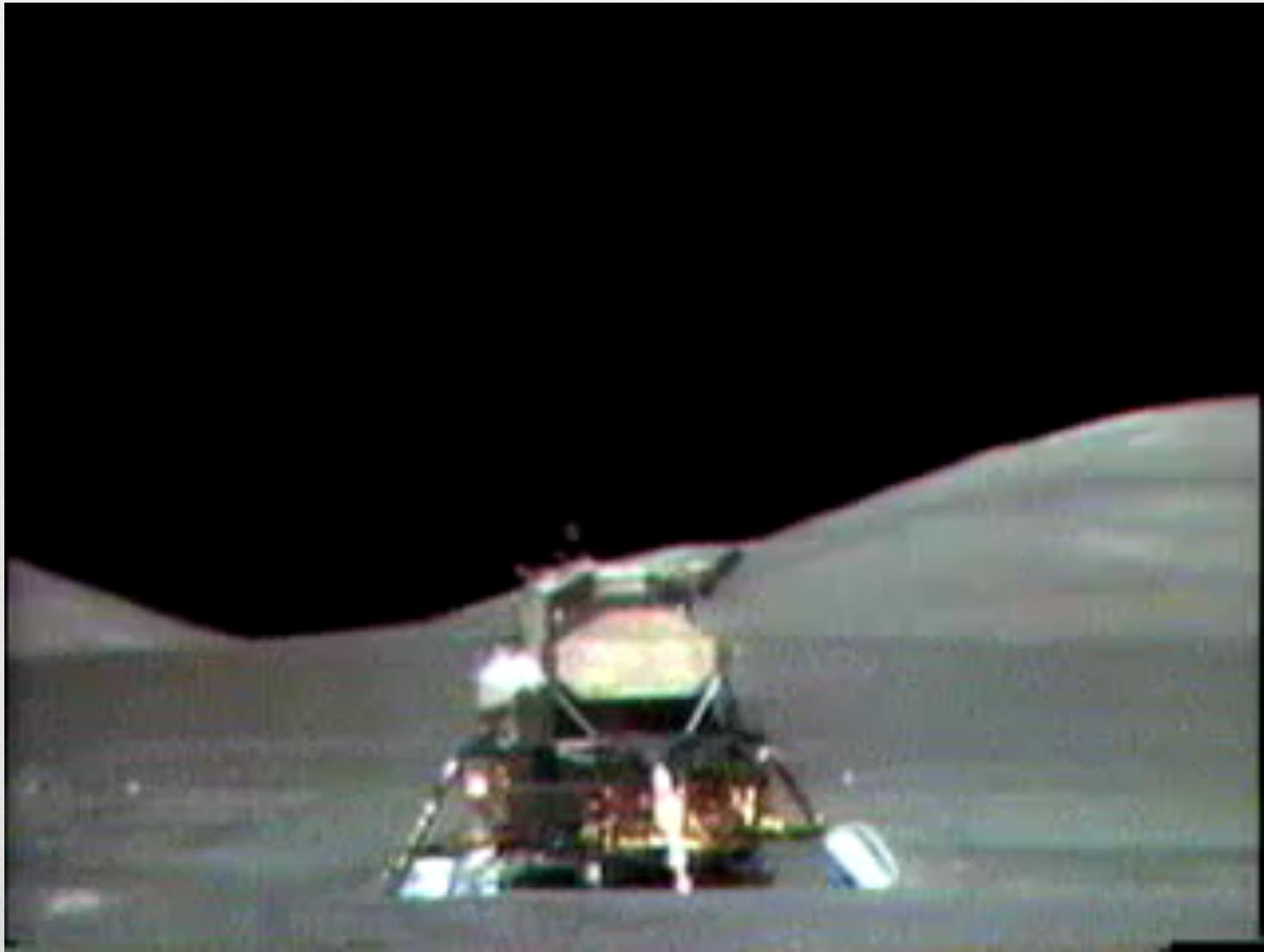
17 Ton Spacecraft Leaves No Mark But Astronauts Do?



Think about every footprint that you have ever left. In wet sand it leaves well defined prints and when dry it doesn't. There is no water on the Moon, so why are there defined prints from the "astronauts"?

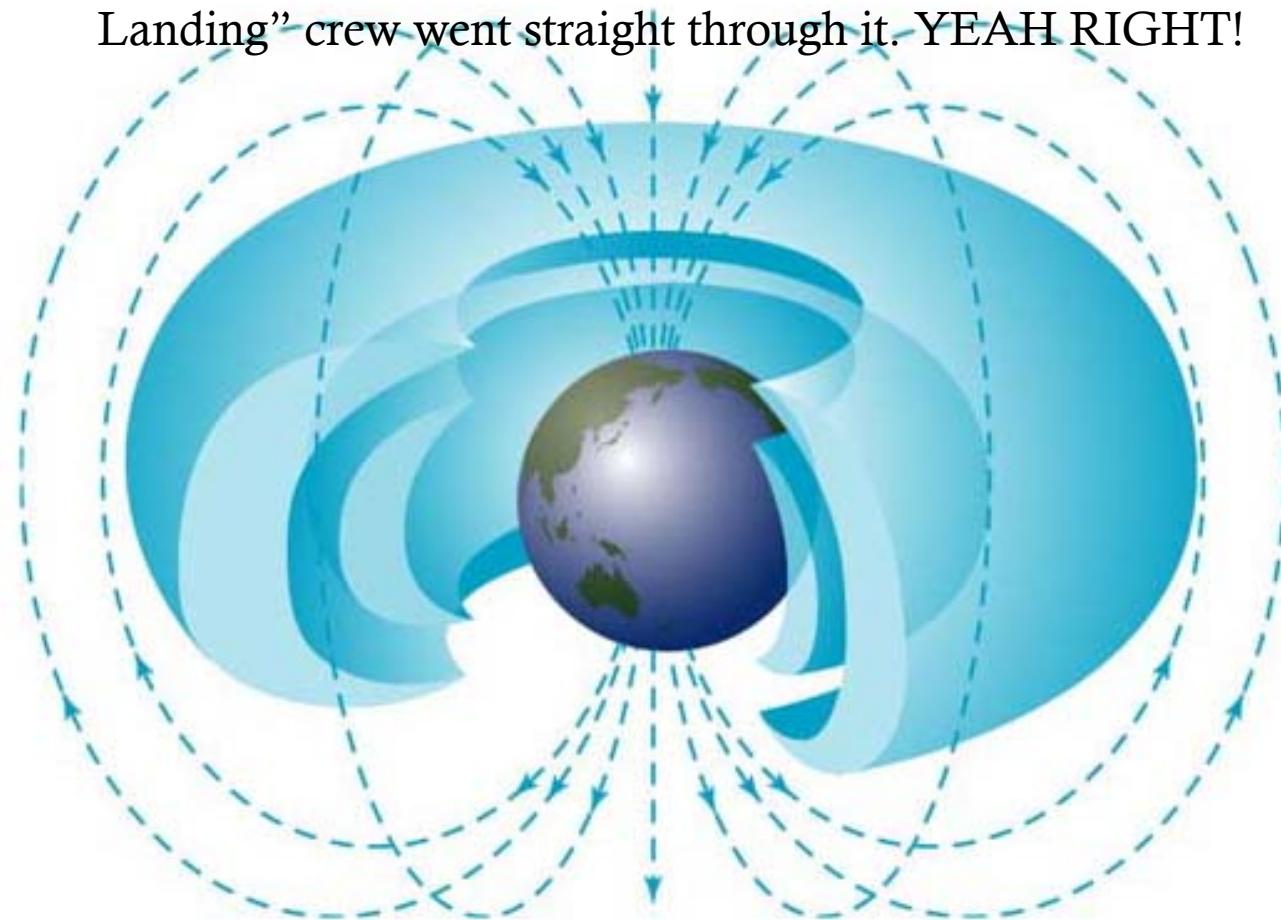


No Visible Flame on Takeoff



Van Allen Radiation

Around the earth are two radiation belts called the Van Allen Radiation Belts. No human or Any living thing, for that matter, could survive a trip into to Van Allen Belts and the “Moon Landing” crew went straight through it. YEAH RIGHT!



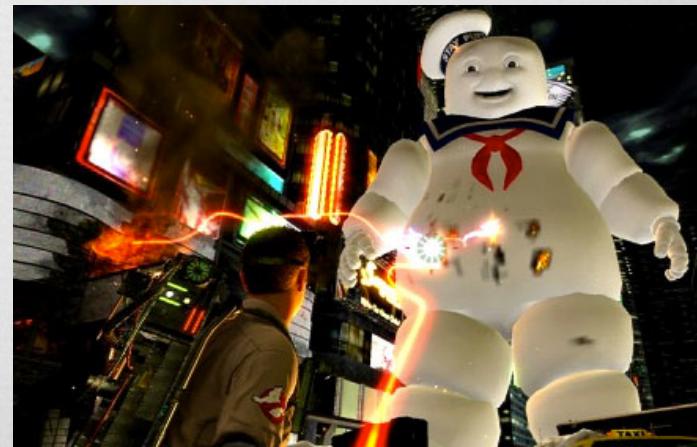
Breeze on the Moon?



Space Suits: I think not.

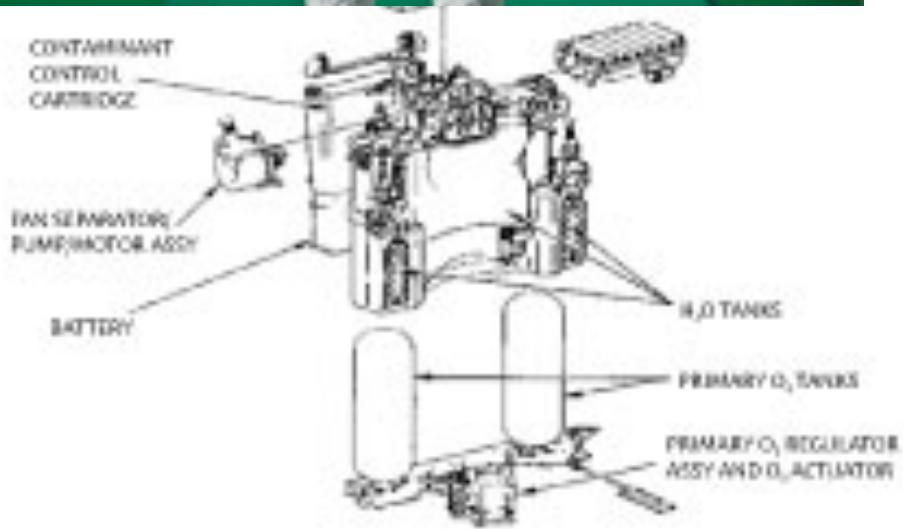


- ❖ The space suits that NASA tells us they used are impossible. They cannot function like they say they do.
- ❖ Water cooling need pressure to work
- ❖ Pressure inside a suit was greater than that of an inflated football. Astronauts should have looked like the Stay-Puffed Marshmallow Man





MR.
MHS



Suits Must:

- Have a pressurized atmosphere
- Give you oxygen and remove carbon dioxide
- Maintain a comfortable temperature despite strenuous work and movement into and out of sunlit areas
- Protect you from micrometeoroids and from radiation to some degree
- Allow you to see clearly, move easily inside the space suit and outside of the spacecraft, and communicate with others (ground controllers, fellow astronauts)

Extra Facts

- ❖ Midday temperature on the Moon is around 270°F which is unbearable for people and way too hot for film to survive.
- ❖ During a Lunar night, the temperature is around - 279°F which would be unbearable for astronauts
- ❖ There are uncounted micro-meteors in space travelling as high as 120,000 miles per hour. These could tear a ship to pieces not to mention a tiny pitiful human without the protection of an atmosphere.
- ❖ Who filmed Neil Armstrong stepping onto the Moon?

Even More Evidence



- ❖ All landings occurred in Nixon's Presidency - Why would no other leader, US or World, make an attempt to make it to the Moon?
- ❖ There should be a 2-second delay on communications but they were instantaneous
- ❖ THERE IS NO DEFINITIVE PROOF THAT MAN HAS EVER BEEN ON THE MOON! THE WHOLE THING IS CLEARLY A NASA COVERUP!!!!

Believing Game



- ❧ Now, regardless of which way you feel that the evidence falls (I happen to think it is pretty clear), consider yourself to believe that the Moon landing is fake.

- ❧ Now that you believe that the Moon landing is fake take a moment and write down what piece of evidence convinced you that the Moon landing was faked and why it convinced you.

Doubting Documentary



- ❖ Now, your job, should you choose to accept it (oh who are we kidding you accept it?) is to investigate the claims and determine if we landed on the Moon or not. Your group will then create a product of your choosing explaining your position.

- ❖ EVERY single item in the slide show needs to be addressed by the class, but feel free to include more information than I put in the slide show.

- ❖ Here is the catch: Before you can address the Moon landing conspiracy you have to show your knowledge of the Moon. You need to be a Lunar Expert before anyone will take you seriously. For the rest of this project that is what we will be working on.

❖ (7) Science concepts. The student knows the role of the Moon in the Sun, Earth, and Moon system. The student is expected to:



- ❖ (A) observe and record data about lunar phases and use that information to model the Sun, Earth, and Moon system;
- ❖ (B) illustrate the cause of lunar phases by showing positions of the Moon relative to Earth and the Sun for each phase, including new moon, waxing crescent, first quarter, waxing gibbous, full moon, waning gibbous, third quarter, and waning crescent;
- ❖ (C) identify and differentiate the causes of lunar and solar eclipses, including differentiating between lunar phases and eclipses; and
- ❖ (D) identify the effects of the Moon on tides.

More Websites



- ≈ <http://www.apfn.org/apfn/moon.htm>
- ≈ <http://www.ufos-aliens.co.ukcosmicapollo.html>
- ≈ <http://www.theonion.com/articles/conspiracy-theorist-convinces-neil-armstrong-moon,2796/>
- ≈ http://stuffucanuse.com/fake_moon_landings/moon_landings.htm