

What is something you learned that has surprised so far in this unit?

That if light reflects of a window you can see your self

that light traveled in a straight line.

that light travels in a straight

the one way mirror. (Im working with mathous.)

Path of light can go in different paths and direction depending the material.

Something I learned that has surprised me this unit is that light only travels in straight lines.

That when A room is lit up and a room that is has little light show the room that has no light can see the room with light in it.

a mirror can be a window

how a window can be a mirror

Almost everything because i didn't know about all of that so everything surprised me .

oque ele nao consegue ver ela mais ela consegue ver ele

I learned about how a one way mirror works a little bit.

Something that surprised me is that a window can also be a mirror.

Light reflection i learned the things i didn't really know about light.

that no one knows what a one-way-mirror (aka two-way-mirror) is. (yea i knew a lot of stuff that we learned in this unit like almost everything)

I learned that a certain type of material can be a window or mirror.

Probably the colorful water in the image with the boat and the sun up high above the boat.

Something that I learned that has surprised me is how much light effects mirrors and windows.

oque a luz faz de diferente no filtro da luz

I learned that light can affect what you see or what something can appear as.

quando eu vi o espelio que de un lado soda pra ver o seu refleso edo uotro lado podemos ver apesoa do outro lado

que o homem nao consequer ver mais a mulher consequer ver ele

I learned that light reflects off some objects and goes through some.

I learned that light has cool effects on different types of materials.

Eu aprendi que a luz so bateu no espelho e que foi no aluno e que foi um pouquinho

I learned that with thin glass the one way mirror doesn't work but with thick glass it does work.

que ela ver ele e ele nao ver ela

Phenomenon

The one way mirror.

That light can change the way we see things through and in glass, or any transparent, translucent material.

how much ideas my class can think off of some little video!

What is something you learned that has surprised so far in this unit? one way mirrer Nothing suprised me It surprised me that when a room on the other side is dark, the window looks like a mirror. materials can act as a marer and windo It surprised me that one material can be a window and mirror depending on where the light is. The way light reflection works really suprised me. that i did not know that if you are in a dark room and a friend is in the light and your are in the dark they can't see you that the mirror is reflecting off the man light bounces off a mirror and goes into your eyes nothing really the one side mirror i didnt know that exist. the video Something that I learned that has surprised was how some light you can see like translucent. that light fro stars take billions of years to get to our eyes the diference of the window and the mirror I was suprised that a window can act like a window and a mirror. XX One thing that I learned that has surprised me so far in this unit is how the angle the light in the model was would affect the film in between. i learned how light works cause i didn't know how it worked

something that i surprised is the light is every important

When light hits your eye, that is why you are able to see an image.

how light bounces off of things

something surprizing I learded is how moves

ave nothing to do with learnig how loight works.
ave nothing to do with learnig how loight works.
ave nothing to do with learnig how loight works.
ave nothing to do with learnig how loight works.
ave nothing to do with learnig how loight works.
ave nothing to do with learnig how loight works.
ave nothing to do with learnig how loight works.

What aspect of the model are you most confident is correctly represented? Why?

The light box one I think I understand the light box experiment more then the others.

the light reflecting of the mirror.

the that reflected off the mirror/window

The teacher seeing the student (I worked on this)

How some light paths show the bouncing off or through materials.

The aspect of the model that I am most confidently is correctly represented is that only some light travels to the teacher from the mirror-window because all the light wouldn't come to the teacher or else you would be able to see them.

I strongly agree with that the light reflecting off the the mirror and some light passing through the mirror to a window.

the light bulbs cuz one is on and the other one off

the line of sight as it shows what side is a mirror and what side is a window

i don't know .

porque ele so ver ele

I am most confident of the light going to the mirror and then going to the guy because that is how he can see.

the way that the teacher see things

Line of sight.

the ONE-WAY-MIRROR

I feel like we correctly figured out why the bright side is a mirror and the dark side is a mirror.

I think that the sight line from the teacher to the student is very true and correctly represented.

I know that the path of light lines are correct because we made sure to label and show exactly where it leads and show how it affects the area like if the light is on or off, and where the light hits around the mirror.

porque a luz da sala e os espelho reflete a luz

I am confident that the room where the student is, is a mirror and the room where the teacher is, is a window because if they were to switch rooms they would see the same thing the person before them saw.

xdrc

a luz estava batendo do vidro e refletino e o lado da professora

Х

I am confident that we are right about the way we put the mirror and windows because in our box model we did it the same way it is shown in the consensus model and it has the same reaction.

a luz batendo no espelho e refletindo no aluno e a professor

х

x the light

Light hitting the teachers face.

There is light coming through the blinds which should make the teacher be able to see herself slightly but mostly the student.

The students and teachers vision of the mirror/window

line of sight

I think the light on the teachers face is correctly repersented cause everyone aggreed and i helped in that conversation

I am most confident that light in the room is correctly represented because it can make a room look like a mirror or window depending on where you are.

the line of site studint bonce off techer gose thro

I am most confident in that the teacher can see the student and the glass is a window and the student could not see the teacher because the glass was a mirror.

The light reflection green line

mirrior and window can be both

the gutiar its the point of the model and it kinda explains the model

the lines of sight

the light part where one light is on and one is off and it is shown.

the light reflecting the mirror.

consensus model, its the one i trust most

The aspect of the model I am most confident is correctly is the reflection arrows because it represents the reflection.

the light reflecting into the boys eye

i dont know

The light in the students room is on and the light in the teachers room is off. Beacause in the video the light was on in the student room and the light was off in the teachers room, I am 100% comfidint that this should be in the model.
I think the light bulbs are correctly represented because one of the lights is on, and one of the lights is off.
The student, the teacher, and the mirror because they were the main parts in the video.
xx
That the light is on in the student and in the teacher not
I am most confident that the man can see himself (mirror) and the woman can see the man. (window)
xx
the light

What are your next steps to further refine your model and/or tackle unanswered questions? Wait so i don't need to do this one? do research. do more research I think none. (we couldn't answer this question) One question I have is the components of the material which makes light go through How does the mirror-window work to make a mirror on one side and a window on the other side. Why does the the light go though the mirror and window but how does it go though a mirror. why was the man not going to wait in the chair i have none i'm still wondering what should be m next model but its going t be good. nao sei To tackle what angle light is at. the way they see things like the arrows We don't know all the varibles act like it is see throw and not see throw Uh I don't actually know Why in some sittuations where it is both a mirror and window. I wonder how we could simulate the measurement of light that was used in the room to in our models. We could put multiple lights, make some of them dim, change their angles and look through both rooms at the same time, because an unanswered question I have is why does the lights angle/dimness/amount affect the way a mirror/window works? nada rtdtcyd hfunhfugnfh My next step to tackle unanswered questions is to create other models to learn more information. Probably either get help from the scientists we are sending our consensus model to or using the box model again. arttftfftgf fix it them Looking and seeing if its true or not. Observing and finding a contradiction to prove my aspect of the modeling I feel like the blinds in the back of the teachers room brings light a little bit to hr vision more debates I dont have any unanswered qustions I don't really know but maybe if I can add more details on how the light reflects and shows a mirror/window. Continue being in science class A question that we would want to be answered is how they make one-way mirrors and what they put on them to be one-way. I want to detail it more rewatch the video and pay attention to details. i don't know add some more lights to the room do experiments look it over the light how is reflecting. experiments and test stuff The next steps to further refine the model is the small details that we don't really need. how the amount of light effect windows experiments How does the eye process light? What do i need to learn to understand what happens What I need to learn to understand the model more is the angles, shadows, and light. XX

learned more about the model

To tackle unanswered questions I would create more models to learn more information.

XX

exalplan better

How can you apply something that you have learned that is shown in this model to something in the real world? What are some related phenomena? Um like maybe if some one is trying to skip class and they where in a secret room and it was like the light box thing we did I would turn the light off so they won't see me throw the window and i wouldn't of seen my self because the light is off. that light can reflect off almost anything. that light can reflect off almost anything the lake, that was in the photo of the document Something that is a related phenomena that is connected to the model is when the sun is at noon and reflecting at the water it acts like a window. But in the other hand, when its setting it acts like a mirror. A related phenomena is that light travels through straight lines unless it hits an object that makes it reflect. If someone was walking near a lake and the sunset you can see a purfect mirror of the person some people take gutare and ukelele Yeah i'm pretty sure the window thing. sim porque a luz nao batel no espelho dele e dela beteu ai que ela consegue ver A related phenomena is that light from the shade is partially coming through and it makes a shadow lots of people take gitar lessons Light can travel, light can bounce off the object, I have seen light reflect off water and glass. idk I noticed that when there is mountain near a lake, the mountain reflecting off the lake. When I go to the ocean and sometimes there will be mist over the water and the light will be hitting it at a funny angle so it could a act as a mirror or a window and I could anilyze it better. (not finished/ still working on it. i will be turning it in just to save it) e deus 6td5rd5 minfub Х reddedd The phenomenon in the model shows the one way mirror would be usefull at the police staition for solving a crime a test Water hitting a lake and it reflecting or it not reflecting at all. Light going through the window in a room with the lights on, lighting up the room, or when i was looking through a glass panel on the side on my mom's car and i saw myself and the door of my car at the same time. Our line a vision and looking into a mirror and window The mirror/window can happen to someones house window When I let my dog out at night, he was barking so I went to let him in but I didn't see him, only my reflection. He was at the door though so I let him in. water somtims acts like a wido somtimes acts like a merer I can apply things I learned because if I look at a window and see a reflection I can know why and have a deeper understanding of it. glass outide of buildings can act like a mirror and a window sometimes. you can see in light but not in the dark the quatian science that the lights off the mirror how does it work how to get big amounts of water and turn it into ice (for global warming Something that i can apply that I have learned that is shown in the model to something in the real world is the shadows. when i see my reflection in mirrors the diferenc of the mirror and window xxxxxxxxxxxxxx xx XX

the there are shadows

If light from the sun was shining down on a window we would be able to see through.

XX

how light works