Inspiring Greatness

INDEPENDENCE SCHOOL DISTRICT

Performing Arts Virtual Learning

7 & 8 Stagecraft
Lighting Design

May 20, 2020

7 & 8 Stagecraft
Lesson: May 20, 2020

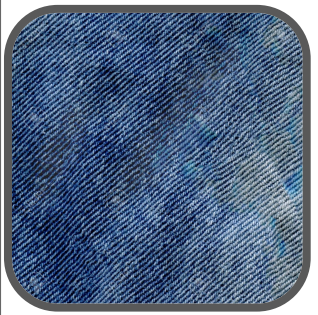
Objective/Learning Target:

Understanding basic terminology and equipment used in lighting design

What do you think?

Think about the texture of fabric.

Bed sheets are smooth and soft.



Denim Jeans are a bit rougher in texture.

What about corduroy?

Burlap?

I would not want to sleep on that!

Paint can have texture.

Think about ceilings.

This is called a popcorn ceiling, styrofoam beads were added to the paint.

No salt or butter!

We can add sand to paint to give it texture.

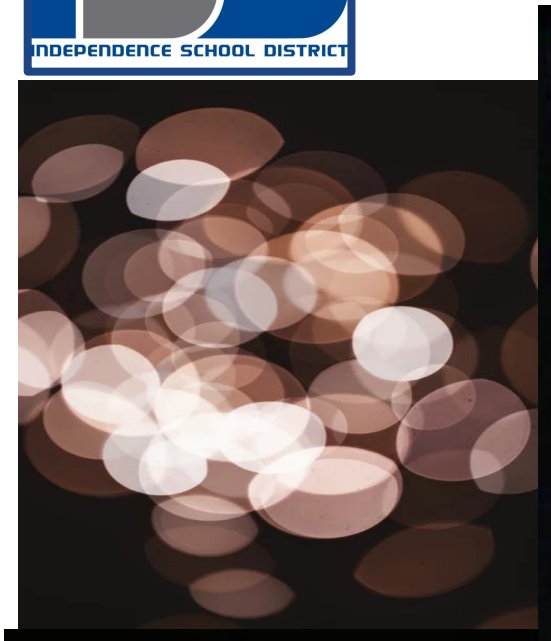
But this lesson is about light

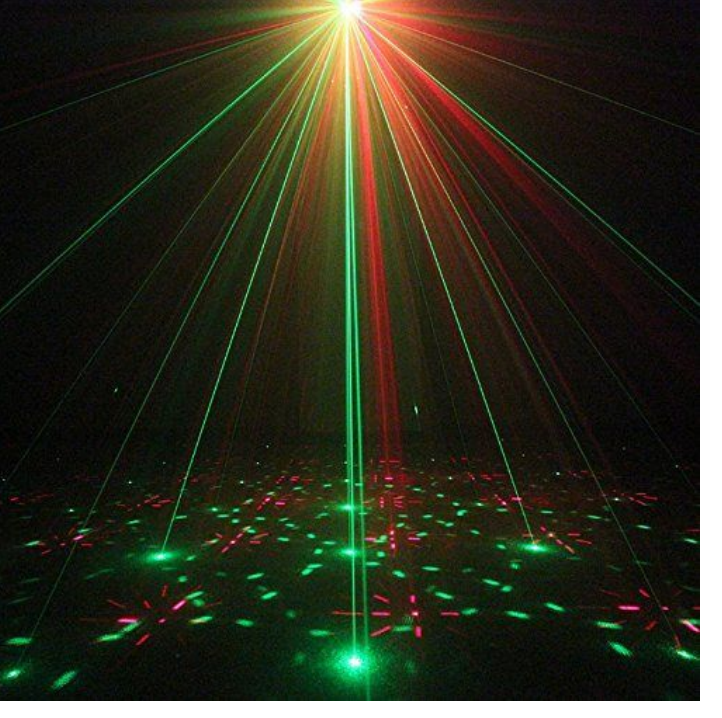
Can lighting have texture?

Your brain picturing texture in light:

?

Yes! Light can have texture





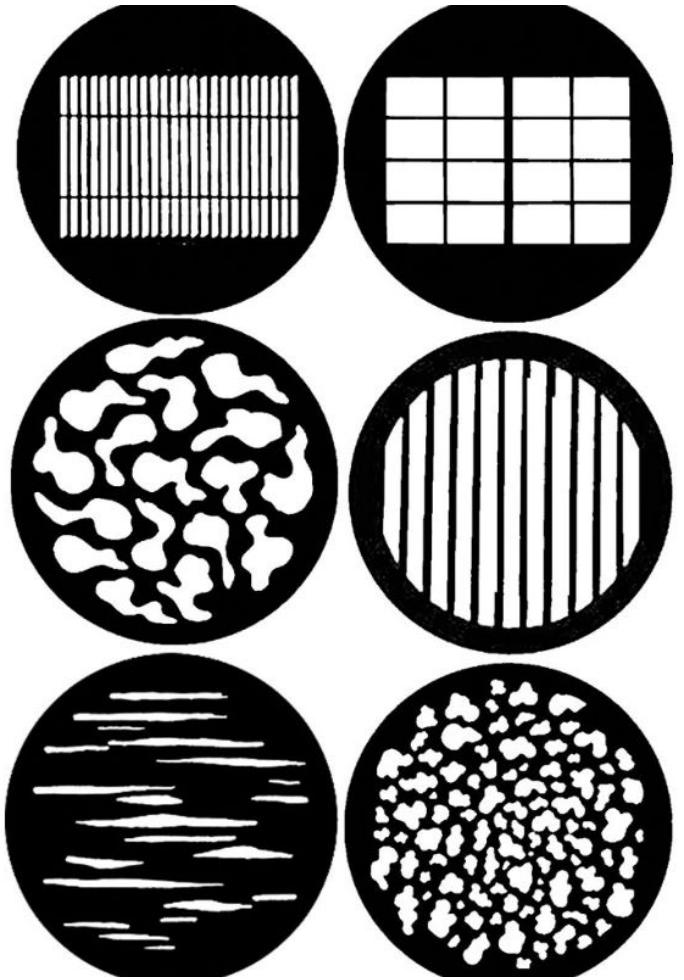
How to achieve texture in lighting:

One way is to use a gobo.

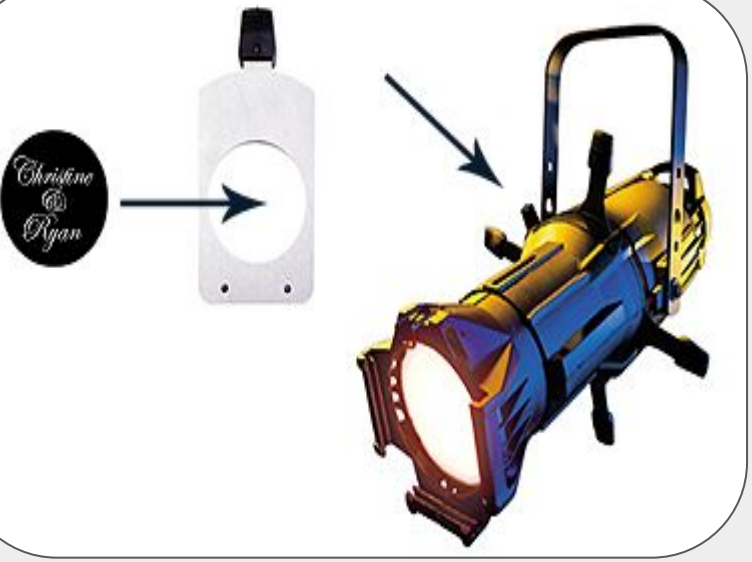
A **Gobo** (derived from Go Between or Goes Before Optics) is a thin piece of metal, wood, or glass used to used to modify the shape of the projected light. It is generally used with Ellipsoidal Reflector Spots (Lekos), which normally provide a specific slot for gobo use.

There are 100's of premade gobos that you can order, but they can also be custom made.

Examples of Gobos:



This is a gobo holder and the spot where a gobo is inserted into the instrument, right in front of the shutters of a leko



More gobos


ME-2154 Full Flames


ME-2567 Fire Fingers


ME-2475 Breakup Fire Flames


ME-9009 Drops of Light


ME-2009 Wind Drifts


ME-2245 Water Rain Dense


ME-2242 Water Waves Ocean


ME-2448 Breakup Camp Fire


ME-2576 Radial Fire


ME-2471 Breakup Fire


ME-1105 Clouds Scattered


ME-3570 Dappled Willow Tree

Gobos are amazing

Activity: Make Your Own Gobo

1. What materials would you need to make your own gobo? (Think safety: this would be used in front of a light.....)
2. Now, let's have some fun and make our own design! We will use a heavy paper (paper plate works great) just for the practice (if you answered question one, you know we would NOT use this in front of a light).
3. Draw a 3" circle.
4. Decide on a design you would like to use. Keep it simple.
5. Sketch it out. Remember to stay within your boundaries.
6. If you have tools available, cut it out. Don't cut past your boundaries!
7. If you have a flashlight, check out your design by placing it in front of the light beam in a dark room.