# Meet a Science Filmmaker: Yat-Long Sam Poon

## BONUS - Filmmaking, Photography, & Light

Meet Yat-Long "Sam" Poon. He is a **science filmmaker**. He also does photography.

Filmmaking and photography are part of the arts, but did you know you need a lot of science and technology knowledge for both jobs?

In both filmmaking and photography, understanding light and shadows is very important!

Lighting is essential to getting a good image. People who work with film have to know where to place big lights to get their video lit just right. Usually when filming you want someone's face to be well-lit. But sometimes filmmakers use shadows to show a character is upset or to make a character seem scary.

Have you ever explored what happens when you put different materials in the beam of a flashlight? Filmmakers and photographers have to know how different materials interact with light to get the shots they want. Often photographers will put white, shiny materials around a set to make sure their subject's face is well-lit.

If you have a camera, explore how different lighting affects your pictures. Or look at photos and videos online and and see what shadows you can find. Consider if the shadows are there intentionally or not!

What other science or technology skills do filmmakers need?

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