



4 Using Smart Devices

Introduction

| Class Level | All Levels |
|---------------------|---|
| Learning Objectives | <p>The child will be enabled to:</p> <ul style="list-style-type: none">• Record quality images using a smart device (or video recorder)• Record quality sound for film• Understand the guidelines for safe use of the camera in the classroom |
| Methodologies | Group Work |
| Resources | Smart Device with recording capacity, such as tablet or smart phone |
| Time | 40 minutes |
| Curriculum Links | <ul style="list-style-type: none">• English—Writing; Rules• Science—Energy & Forces; Light |

- | | |
|--|---|
| | <ul style="list-style-type: none">• SPHE— Rules for using camera equipment and digital video editing equipment Myself; Safety and protection, media literacy |
|--|---|

≡ Devices and Accessories

≡ Recording

Devices and Accessories



Smart device cameras



Cameras on smart devices are now powerful enough that decent images can be recorded very easily and self explanatory. Also, the devices—depending on memory—can store many videos and photos.

Tip

Always remember to hold your device sideways in landscape, framing as portrait will not work well for video recording.

Accessories

The tripod will assist in creating more stable and better quality images. In order to connect your device to the tripod you will need a mount with a hot shoe, that is specifically design to fit your devices. These are generally affordable accessories.



Tripod, mount + hot shoe and tablet



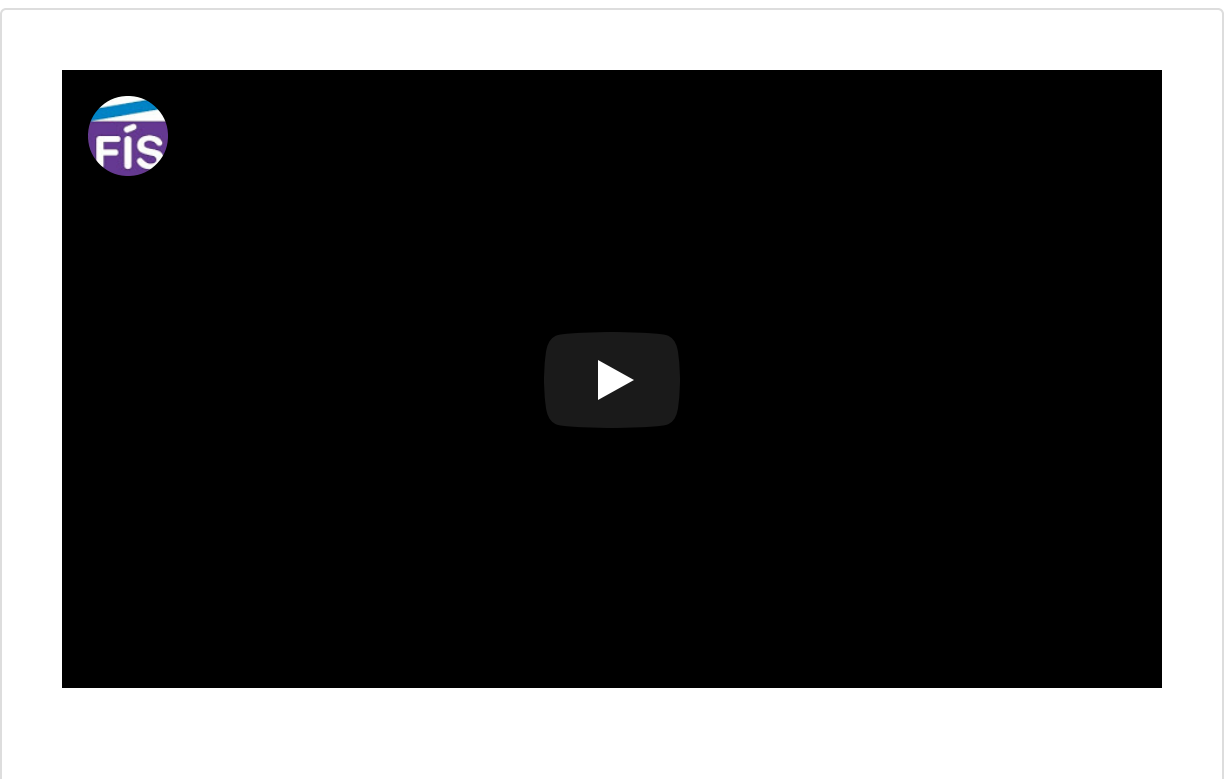
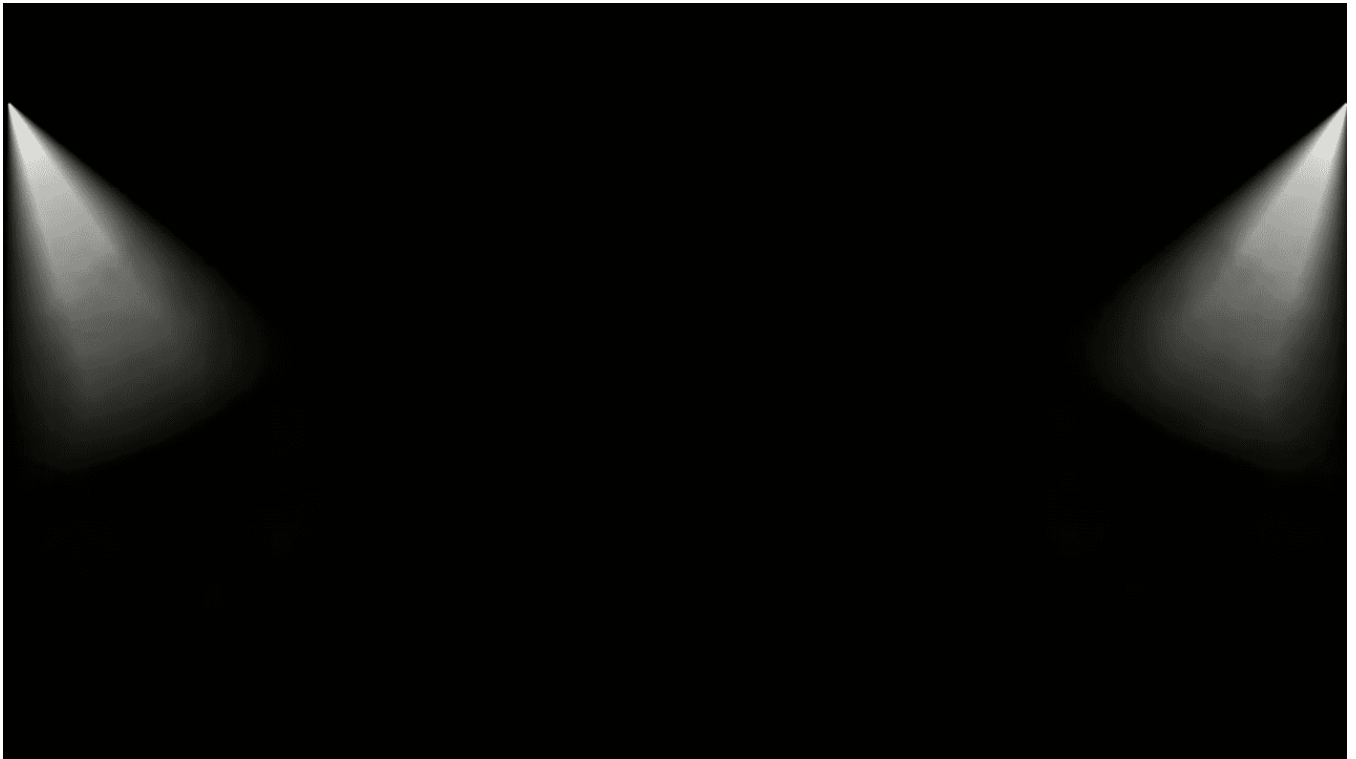
Desktop tripod, mount + hot shoe and smart phone



Flexible tripod for awkward positions

Tip

Using a camera without the tripod can creates a shaky image, but this can be a great way to create the effect of moments of suspense or confusion.



Recording



Fixed Camera Positions

Camera Angles

EYE LEVEL VIEW

HIGH ANGLE VIEW

LOW ANGLE VIEW

Every creative endeavor requires that you take risks. If you try and don't succeed, you've still learned something. It took Thomas Edison more than 10,000 tries to invent a viable lightbulb. You're not failing. You're discovering what doesn't work.



EYE LEVEL VIEW

HIGH ANGLE VIEW

LOW ANGLE VIEW

To spark creativity, feed your brain material like you're cramming for a tough test. Then stop thinking about the problem you want to solve. Go surfing or take a leisurely walk. Research shows that letting your mind wander fosters creativity.

It's also found that meditation helps you spot and solve problems in creative ways. It promotes divergent thinking that gets novel ideas flowing. According to these studies, meditation also makes you more open to considering new solutions. Time to breathe.

EYE LEVEL VIEW

HIGH ANGLE VIEW

LOW ANGLE VIEW

No creative process is truly complete until it manifests a tangible reality. Whether your idea is an action or a physical creation, bringing it to life will likely involve the hard work of iteration, testing, and refinement.

Just be wary of perfectionism. Push yourself to share your creations with others. By maintaining an open stance, you'll be able to learn from their feedback. Consider their responses new material that you can draw from the next time you're embarking on a creative endeavor.

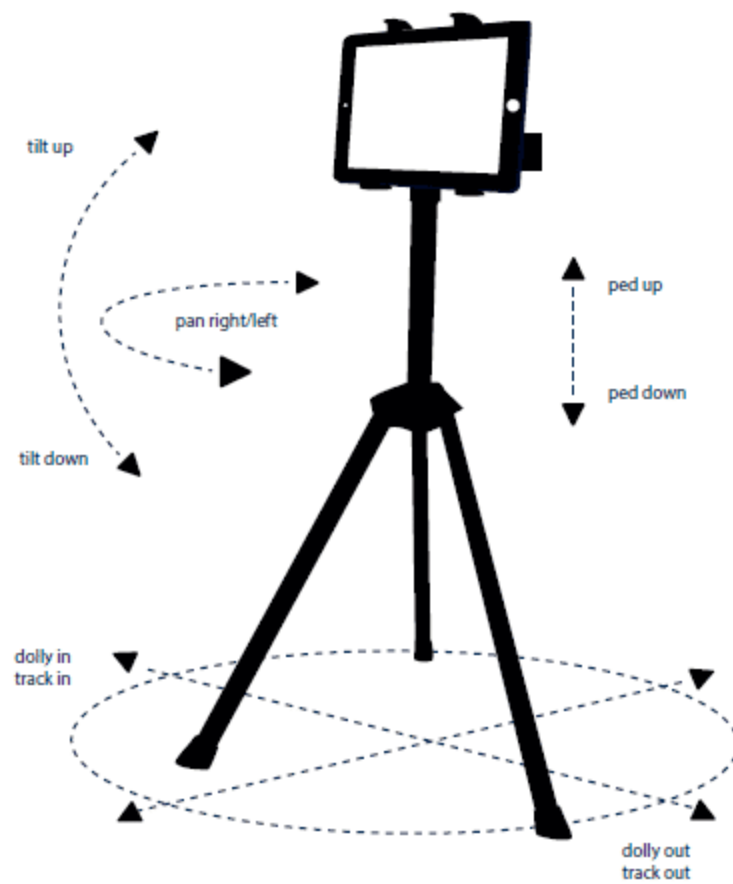
Flexible Camera Positions

Panning & Tilting

The camera rotates on an axis in one spot, taking in the entire horizon. The camera can also be angled up or down in a vertical pan or tilt. The pan is extremely versatile, and is one of the easiest moves to execute.

A pan can be used

- To include space greater than can be viewed through a fixed frame
- To follow actions as it moves
- To connect two or more points of interest
- To connect, or imply a logical connection between, two or more subjects
- For dramatic effect; for instance, panning up and down buildings



Examples of Panning and Tilting
