

Lights, Camera, FILM Literacy!

Lesson Plan #3

Topics:

Journal Writing
Persistence of Vision
Moving Image Machines
Flip Books

Outcomes:

Students will follow organizational procedures.
Students will see and hear applicable vocabulary.
Students will apply the concept of Persistence of Vision to moving image machines and flip books.
Students will view and recall five moving image machines.
Students will follow written directions to create flip books.

Materials:

Writing journals
LCD projector
Chart paper
Post-its
Individual student pocket folders
praxinoscope
phenakistoscope
zoetrope
Paper string
Colored pencils
3 x 5 pads of paper (one per student)
Snack size Ziploc baggie (one per student)

HANDOUTS: How Movies Got Their Start, Section II (Moving Image Machines)...in student folders
How to Make a Flipbook

EYEWITNESS BOOK: FILM

New Vocabulary: persistence of vision, thaumatrope, phenakistoscope, praxinoscope, zoetrope, flip book

Sequence of Events:

I. Journal Writing (15)

Prompt:

How did experiencing a camera obscura and a sunprint help you to understand photography?

II. Moving Image Machines (170)

1. Refer students to their handouts from the last session.

HANDOUT: How Movies Got Their Start, Section II
(Moving Image Machines)

Use the ANSWER KEY to review with students. During the review, show pictures of the machines mentioned in **EYEWITNESS BOOK: FILM**, pages 8 & 9, and the two websites:

<http://www.randommotion.com/html/zoe.html>

http://brightbytes.com/collection/per_vis.html

Stress an understanding of **PERSISTENCE OF VISION**

(The retina holds an image briefly before it processes the next viewed image.)

2. Ask students if they have seen a flip book. If so, they have used persistence of vision as they view flipped sequential pictures at a rapid pace.

Tell students that they will be creating their own flip book.

HANDOUT: How to Make A Flip Book

Allow ample time to complete individual flip books as classwork and possibly homework. Store these in individual baggies for safekeeping.

Also consider setting up class centers where students may:
Read the FILM book.
Look at the disks on the Praxinoscope and Zoetrope.
Try creating disks for the Praxinoscope and Zoetrope.
Look at sample flip books.
Create a **THAUMATROPE**.
Explore a Fisher Price Movie Viewer (usually available on eBay).

If your school has a 16 mm projector...
Consider having students create simple movies by drawing directly onto 16 mm leader film (*non-shiny side, between frames, away from sprocket holes*) with thin marking pens.
(Phil's Vintage Movie Films & Collectables: 200 feet leader film -\$39.)

III. Reflection (15)

1. Direct students to the hanging chart paper labeled:

**What did you learn about persistence of vision
and the illusion of moving pictures?**

2. Hand out Post-its on which students write and post.

3. Review the comments on the Post-Its with the class, so students have a sense of what was learned that day. Make sure to clear up any misconceptions.