

# Digital and Film Photography

Mr. Stiles - Summer 2024

## LIGHT PAINTING LESSON PLAN:

Due: Wednesday 7/3/24, Value: 100 Pts. for Photo 1

Show samples of Light Painting on line:

[https://www.google.com/search?q=painting+with+light&oe=utf-8&rls=org.mozilla:en-US:official&client=firefox-a&um=1&ie=UTF-8&ei=6ojDS6PaLYPbnAeT3YyECg&sa=X&oi=image\\_result\\_group&resnum=1&ved=0CA8QsAQwAA&tbm=isch](https://www.google.com/search?q=painting+with+light&oe=utf-8&rls=org.mozilla:en-US:official&client=firefox-a&um=1&ie=UTF-8&ei=6ojDS6PaLYPbnAeT3YyECg&sa=X&oi=image_result_group&resnum=1&ved=0CA8QsAQwAA&tbm=isch)

Show student work and tutorials:

<http://www.instructables.com/id/Painting-with-Light/?ALLSTEPS>

And tutorial : [http://www.diyphotography.net/painting\\_with\\_light](http://www.diyphotography.net/painting_with_light)

and Video tutorial: <http://www.youtube.com/watch?v=4IS-DBZEXcA>

And Sprint commercial:

<http://www.youtube.com/watch?v=4EhKvFZ4x3g>

And Here: <https://www.youtube.com/watch?v=k0vLxj2IPM>

L.P. Tools Here: <http://lightpaintingphotography.com/light-painting-tools/>

With shutter speed controls use Manual (on bulb) or Shutter Priority with a 5-15 second shutter speed. Don't forget to Pre-focus & Frame your shot beforehand. To do this with no shutter speed controls as on some point & shoots: Try "Night mode" or "Fireworks mode" or "Indoor mode", or "Slow Sync Flash mode" experiment!

Objective: To learn how to use very slow shutter speeds at night.

Assessment: Students will turn in 10 photos using this technique.

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Lesson Plan Outline  
Instructor: James Stiles  
Course: Digital Photography

**What Students Will Learn or Be Able to Do As A Result of This Lesson** (main learning objectives for lesson-identify section in course outline where objective is located; for example, section S.A.I)

- 1.Students will learn how to use very slow shutter speeds at night and in a darkened room, in order to create "**Light Painting Photographs**".
- 2.Through this they will understand the creative effects of subject motion and shutter speeds and how the two relate to each other.

**Instructional Strategies (what the instructor will be doing):**

- 1.First I will show examples of professional and past student work on this project.
- 2.I will be showing a Sprint animated commercial video which uses these types of photos
- 3.I will be showing a video tutorial on the technical process of creating these types of photos, while interjecting my own advice occasionally (pre-focusing & framing)
- 4.I will also explain how this may be done with a simple point and shoot camera
- 5.Lastly, I will put up the backdrop and turn out the lights and demonstrate how it is done.

**Learning Activities (what the students will be doing):**

- 1.Students will be asked to listen and take notes.
- 2.If time allows they will be expected to try it themselves in the classroom, otherwise they will have that chance over the next few days in the classroom, while working together and trading roles. I will assist them during this.

**Assessment (how instructor will measure that students have mastered the learning objectives):**

- 1.Students will turn in 15-20 photos using this technique in a digital folder.
- 2.Students will also be encouraged to try this at home for a better grade.
- 3.I will be evaluating their skill and creativity in light painting, as well as proper focusing in the dark.

**ESLR, Academic, CTE Standards Taught/Reinforced:**

- 1.California Career and Technical Education StandardsAME.A.A1.1.1.5 Advanced - Compare how distortion is used in photography or video with how the a...2.California Academic Content Standards (Reinforced)3.VA.7.CE.CETOA.2.6 Create original artwork, using film, photography, computer graphics, or video.
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