



a WOW Lab

**BLUEPRINT**

Solargraphy

## Student Handout

In the following handout, students will be required to:

- Match up events related to light and cameras with their corresponding dates

Provided in this document are sample answers (page 2) and a blank handout (page 3). The blank handout should be made available to each group prior to the activity.

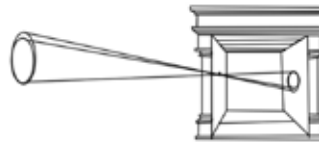
## Student Handout - Answers

~ 300 B.C.



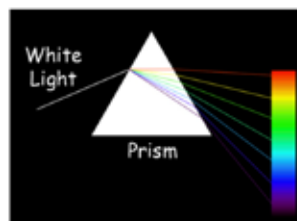
Aristotle, a philosopher, first described the phenomenon of pinhole cameras.

~ 1000 A.D.



Alhazen, an Arab scientist, built the first camera obscura, a device that projects an image of its surroundings on a screen.

~ 1700.



Isaac Newton discovered that white light is comprised of individual colours (The Theory of Colour).

1826



Nicéphore Niépce produced the first photographic image. However, the image required eight hours of light exposure and would fade soon after.

1839



Daguerre, Niépce's partner, improved the image capturing process by "fixing" images. He used mercury vapour to develop the images and a salt bath to "fix" the image.

\* Louis Daguerre (1787-1851), from [http://en.wikipedia.org/wiki/File:Boulevard\\_du\\_Temple\\_by\\_Daguerre.jpg](http://en.wikipedia.org/wiki/File:Boulevard_du_Temple_by_Daguerre.jpg)

\*\* Joseph Nicéphore Niépce, 1826, from [http://en.wikipedia.org/wiki/File:View\\_from\\_the\\_Window\\_at\\_Le\\_Gras,\\_Joseph\\_Nicéphore\\_Niépce.jpg](http://en.wikipedia.org/wiki/File:View_from_the_Window_at_Le_Gras,_Joseph_Nicéphore_Niépce.jpg)

## Student Handout

The diagrams and descriptions are jumbled up. The dates along the left hand side match up with a relevant diagram and description. Read through the descriptions and look at the diagrams, then choose what is the correct diagram and description for that date.

~ 300 B.C.



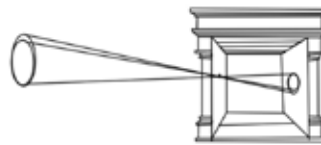
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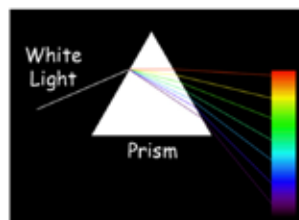
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