

IMPORTANT DATES TO REMEMBER

Film and Chemical List Due: **MONDAY, MARCH 18, 2024**

ROUGH Draft Due: **FRIDAY, April 12, 2024**

WHERE'S AT DAY: **FRIDAY, MAY 10, 2024**

PROJECT Due Date: **MONDAY, JUNE 3, 2024**

Film and Chemical List Due: **MONDAY, MARCH 18, 2024**

Each group will be given a Black and White Film - Kodak 400TX Film from Ms. Smith. Each person will take at least 6 - 8 pictures of different items that they can find the chemical name, composition, and formulas on. Each STUDENT should create their OWN chemical list of the pictures they have taken for each item in the picture for all 6 - 8 pictures. That is, what are the chemicals that make up each of the items in your picture, including anything in the picture's background. Each item should include each chemical name and chemical composition/formula. Out of 6 - 8 pictures, there can **ONLY be 2 out of 6 or 3 out of 8 staged pictures, "Zoom in" or easy pictures TOTAL out of the 6 - 8 pictures. Also, two pictures MUST contain people or animals. Do not repeat items in more than 2 pictures. All pictures should contain different items.** Make sure also to take a digital picture to help with remembering what was in each picture.

ROUGH Draft Due: **FRIDAY, April 11, 2024**

Should have your individual format almost 50% completed - Should have at least **5 of 11 sections** of the Photography Project written/completed in the FORMAT. Please make sure the 5 sections are arranged and presented in the format as if it is ready to be handed in for a grade. It **SHOULD NOT** look like a book report or an essay. You should strive to master the format selected.

NOTE: Do NOT want to see handwritten or disorganized loose leaf of paper or outline as part of YOUR ROUGH DRAFT of your PROJECT!!!!!!!!!!!!!!!!!!!!!! Also, any videos, pictures, Q-Codes, and Links should be supplementary/additional/complimentary and **SHOULD NOT** act in place of the information. All information should be SEEN in your format chosen.

WHERE'S AT DAY: **FRIDAY, MAY 10, 2024**

Should have your individual format almost 80% completed - Should have at least **9 of 11 sections** of the Photography Project written/completed in the FORMAT.

The ABOVE NOTE FROM ROUGH DRAFT also applies.

Please make sure the 9 sections is arranged and presented in the format as if it is ready to be handed in for a grade. It **SHOULD NOT** look like a book report or an essay. You should strive to master the format selected.

NOTE: Do NOT want to see handwritten or disorganized loose leaf of paper or outline as part of YOUR ROUGH DRAFT of your PROJECT!!!!!!!!!!!!!!!!!!!!!! Also, any videos, pictures, Q-Codes, Links should be supplementary/additional/complimentary and **SHOULD NOT** act in place of the information. ALL information should be SEEN in your format chosen.

PHOTOGRAPHY PROJECT - This is an INDIVIDUAL PROJECT - NOT A GROUP PROJECT. - MONDAY, JUNE 3, 2024.

By Lottery you will choose one of the Five following formats ONLY:

- a) PowerPoint, Prezi, or Google Slides Presentation* (see below)
- b) Scrapbook or Pop-Up Book** (see below)
- c) Web page/Blog/Tumblr** (see below)
- d) Digital Comic, Magazine, or Story Book ***
- e) Video (iMovie, Moviemaker, WeVideo, or YouTube) ****

* A PowerPoint project should be no less than **40 slides**, with a font no greater than 36 - excludes titles. Titles can be appropriately sized. You may include animations and graphics.

A scrapbook/pop-up should be **at least 30 pages, double-spaced, with no font greater than 12. **NOT** completed computer-generated, book report or an Essay.

***Storybook, Comic book, or Magazine/Web page/Blog - should be **at least 30 pages**, and Should have all the 11 sections on Wall, Videos, Pictures, Notes, Friends' comments, Scientists as Friends, etc.

**** Video (iMovie, Moviemaker, WeVideo, or YouTube) should be **no less than 15 mins** long - Maximum Length - **45 mins**.

Each project must include a **Table of Contents** with the 11 sections Headings, defining each as listed below and completed in Sequential Order.

- 1) **Introduction:** Includes giving a brief overall explanation of the project and what it contains, and how/why it applies to what we have learned in Chemistry.
- 2) **History of Photography:** You must research this and be specific. Include relevant people who contributed to the discovery and how it came about. What did they do or contributed. Give examples of their work. Be sure to cite your sources in your references section.
- 3) **How does the camera work?** Tell how exactly photos are created, and what the role is of the camera, light, how does the image get onto the film, the parts of the camera and diagrams, and the chemicals involved (that is: the film). You may briefly touch upon the newer digital cameras, but keep your main focus on the type of camera you used for this project (35 mm camera).
- 4) **What steps are involved in developing pictures?** Break this down into simple steps and explain each. **Why is each step important? This is not describing what you did in each step (NOT THE LAB) but explaining why it is done in the first place.** Examples: Exposure, Development, Fixation, Stop Bath, Washing Process, What is the Film made up of, Emulsion. What are their functions in the development of the film. What is the importance of agitation, temperature, washing process. Again, remember to cite your sources.

- 5) **The science behind photography:** You need to explain the science /chemistry in the photographic process. There are many chemicals involved in the development of the Photo negatives and prints. **Explain each chemical's purpose, function, and their interactions with the film. This should include any chemical reactions involved, include and explain any chemical equations. Make sure these chemical equations are balanced.**
- 6) **The actual LAB:** This section must be set up exactly as you set up your lab notebook including: Objective, Procedure (with diagrams), Observations and Conclusions of the lab. Remember to include all the points, including graphics and full explanations.
- 7) **Film developing information (Chemical List):** List all the chemicals used to develop the film in the lab. What are the chemical names and chemical composition formulas for each chemical used to develop the film.
- 8) **Photograph (Lab Chemical List) information:** Include the pictures you took, with a list of the chemical names and composition of each item underneath.
- 9) **Conclusion:** Must touch base on each of the sections above mentioned. This is basically a wrap-up of your introduction. What you have learned from doing this project. The linking of all chapters in chemistry textbook to Photography.
- 10) **Glossary:** There are probably many words in your paper that will need an explanation or definition. Mark those words accordingly throughout your project (underline, italicize, etc.) and include the definitions in this glossary section. Make sure you write definitions that you can understand. Do not copy them exactly as you find them; put them in your own words.
- 11) **References:** You must cite all of the sources you use in **MLA Format**, especially the online links on my website and any websites given to you by me. This includes websites, reference materials, and even people you get information from. You must use a **minimum of 5 alternate sources** that are not given to you by me **especially TWO BOOK REFERENCES** from a library and **NOT just from the INTERNET**.

Plagiarism is easily discovered... do yourself a favor and keep the entire project in your own words. Please email, in the chosen format, your project to VSmith@nmpsdsd.org or share your Presentations, Videos, etc in your **Google Drive Folder in the Photography Project Folder**. You must also make sure to have at least two backups or save them to a flash drive as a precaution. If e-mailed please check to see if e-mail sent is in your outbox/sent box. **Do not copy from ANY previous years' STUDENTS' projects!!**

Don't forget to back up all of your work
and **HAVE MULTIPLE COPIES**
just in case something goes wrong!!