

How To Create Your SHINE Posters

The screenshot shows a Microsoft PowerPoint application window with a red ribbon. The title bar reads "32x40 new version poster (1)". The ribbon includes tabs for Home, Insert, Design, Transitions, Animations, Slide Show, Review, and View. The Home tab is active, showing options like Paste, New Slide, Section, Layout, Reset, and Shape Fill. The main slide area displays a poster template with a red header. The header contains the USC Viterbi logo on the left, a central title box with the text "Title of Poster", "Author and email", and "High School name, Class of 201X", and the SHINE logo on the right. The SHINE logo includes the text "SHINE Summer High School Intensive in Next-Generation Engineering". The poster body is divided into five columns. The first column is titled "Introduction" and contains the text "Introduce the topic". The second column is titled "Objective & Impact of Professor's Research" and contains the text "As much as you can, read and summarize in your own words that your professor's research is about, its impact in advancing engineering and/or the environment; computing traffic flow, baby's brains, maximizing fuel efficiency in ships, etc.". The third column is titled "How This Relates to Your STEM Coursework" and contains the text "Here you will talk about the impact of your SHINE experience on a related course you are taking back to your school to help them understand the significance of SHINE Coursework. You may use pictures and figures." and includes a placeholder for a graph. The fourth column is titled "Next Steps for You OR Advice for Future SHINE Students" and contains the text "Your thoughts here". The fifth column is titled "Acknowledgements" and contains the text "Always thank your professor (advisor(s)), your SURF mentor, perhaps your SHINE lab mate if you had one, anyone involved in mentoring you (Dr. Kaps-Vells, Ian Avakian, and Tracy Chubb)". The footer of the slide shows "Click to add notes", "Slide 1 of 1", "English (United States)", "Notes", "Comments", and a zoom level of "26%".

How You'll Design Your Poster

- You can use any software you like, be it PowerPoint, Word, Photoshop, Illustrator, Gimp, heck even MS Paint.
- We recommend using PowerPoint as there is a very low learning curve, making it easy to edit/design your own layout.
- PowerPoint is also what this tutorial and the 2 provided templates use.

What We'll Need From You

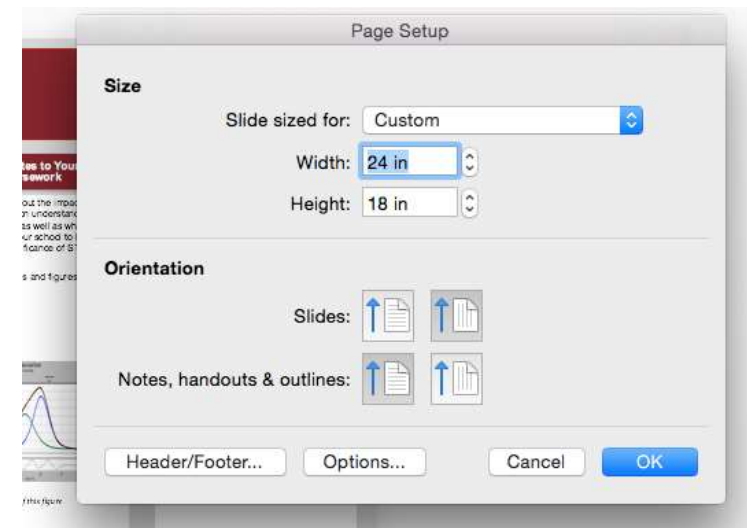
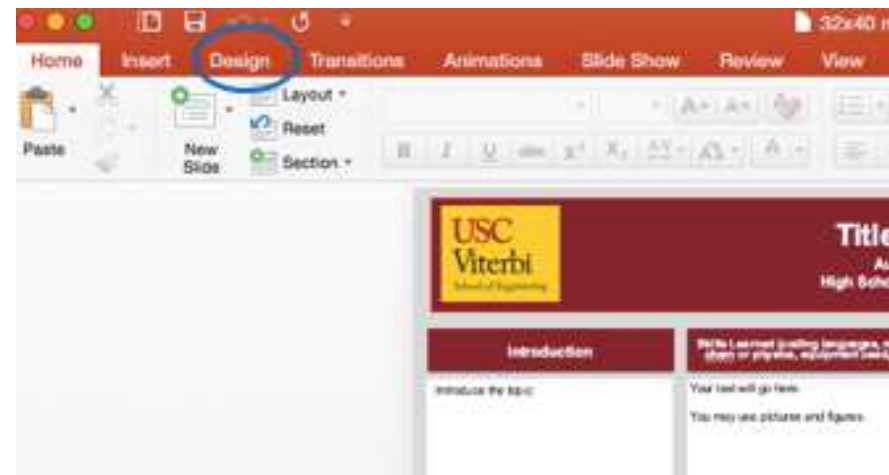
- You will send us a PPT version of your poster so we can print them (unfortunately this means you can't hand draw yours)
- You will also send us the default file format of your poster i.e., a .PPTX file for PowerPoint, .PSD file for Photoshop, .DOCX file for Word etc.

What You'll Need to Know

- Size – 18''x 24''
- Color – Cardinal and Gold preferably
- Inserting Pictures
 - Sizing, captioning, and citing figures/pictures
- Typical Text Sizes
 - The best font would be Arial with a title 48pt; author, high school and USC department 28pt; section titles 20-24pt; and body font of 18-21pt.
- File name
 - When you submit your poster please name it "S19-LastName-Poster"

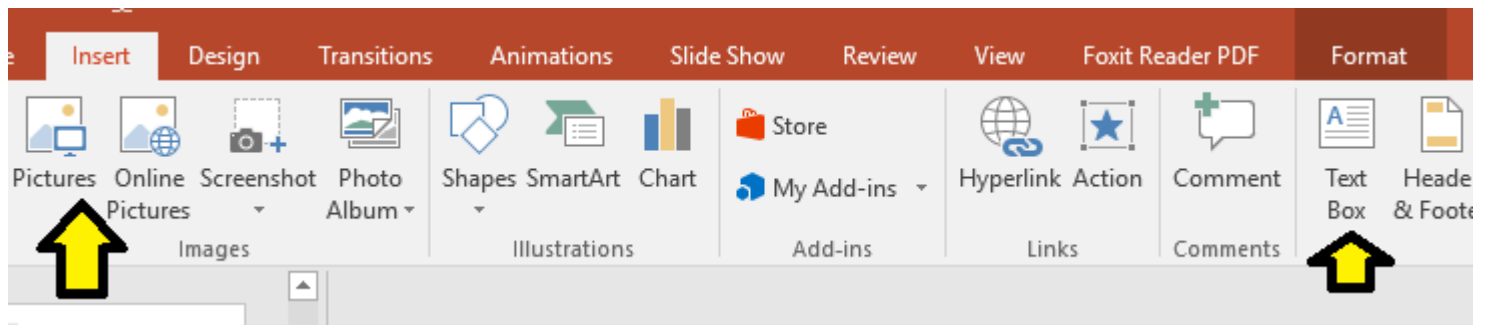
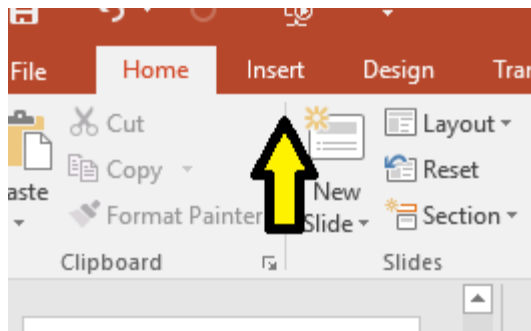
Poster Size

- The SHINE Poster will be 18" x 24"
- To adjust the size
 1. Select **Design**
 2. Then **Page Size**, set Poster to **(Standard 4:3)**
 3. After, select **Page Setup** and set Width to 24 in and Height to 18 in



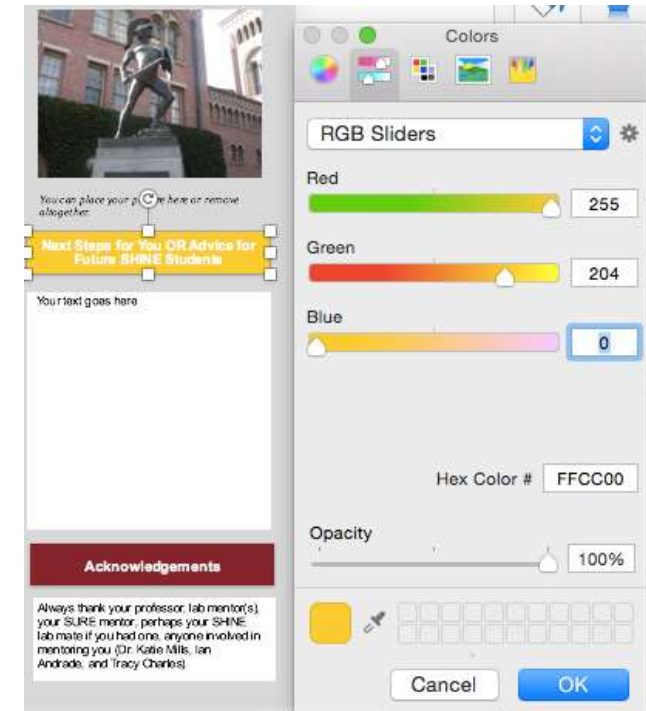
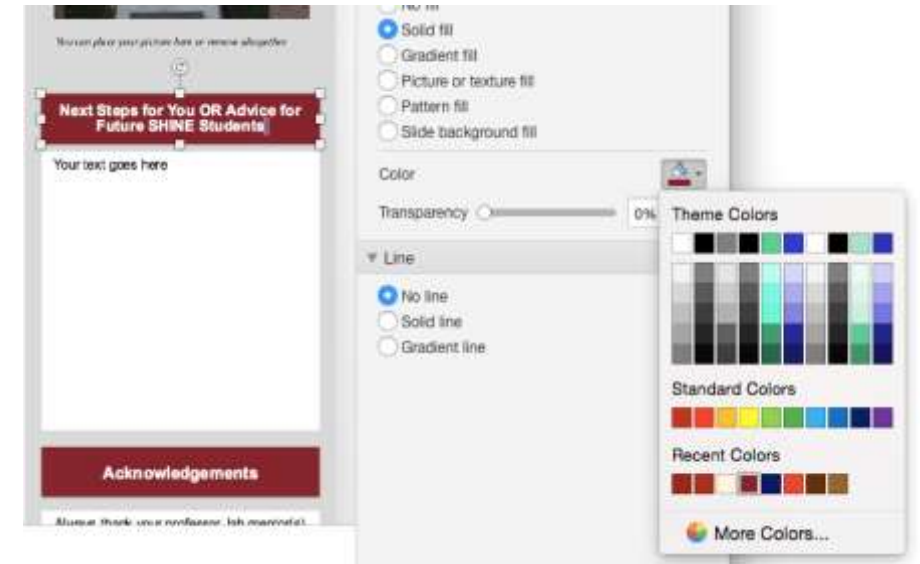
Text

- To add most things including text, images, charts go to the Insert tab at the top
- Text can be added via textboxes
- Highlighting then right-clicking on text lets you edit the way it looks (font, color, etc)
- Right-clicking on text-boxes lets you customize the way they look



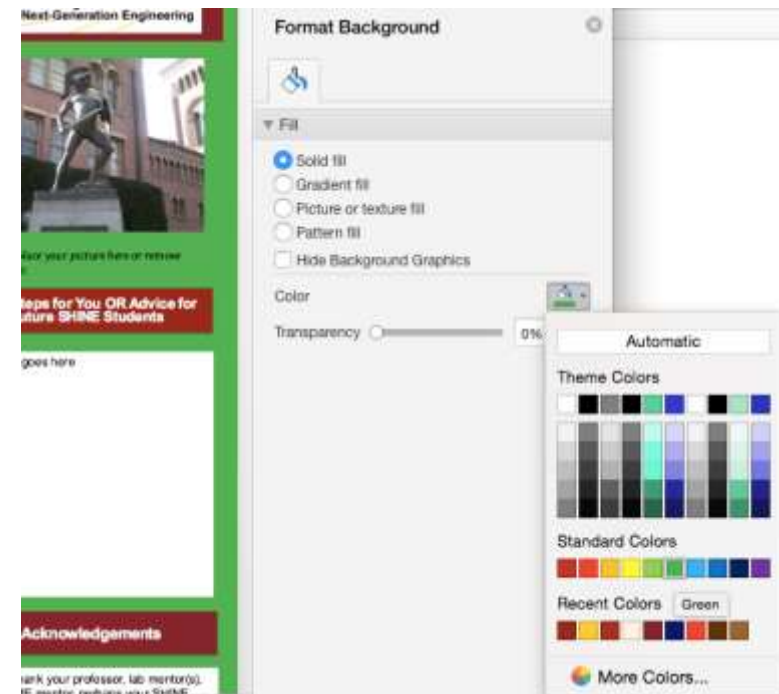
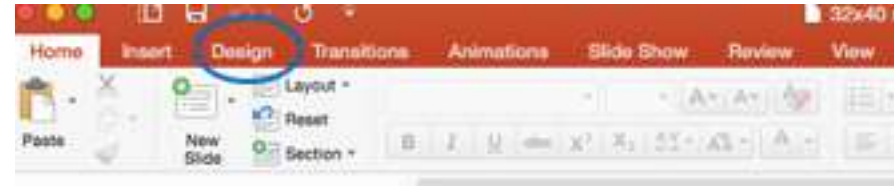
Colors

- Double click each box, you will then be given an option to **Format** the shape
- Select the **Paint Bucket** to change the color
- To customize the color, select **More Colors**, underneath the preset selections
- You may choose between the different editing techniques



Background Color

- Select **Design**
- Then **Format Background**
- This process is similar to changing the color of the box



Tips For Color

- Use colors in a consistent pattern - too many colors will overload and confuse the viewers.
- Use solid or simple gradient colors as background
- Avoid using dark on dark colors or light on light colors to increase readability (ie. don't use red on black or yellow on white etc.)
- We recommend using SC's colors

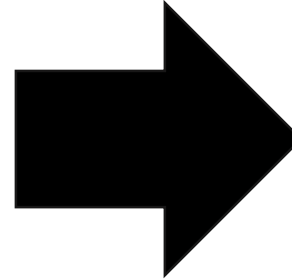
USC's
colors are:

Cardinal Red	
R	153
G	0
B	0

Gold	
R	255
G	204
B	0

Pictures

- To print pictures effectively, images should be high resolution (150-300 dpi)
- This means placing the image on your poster, then downsizing



Captioning Your Pictures

- All pictures should have captions. If you or your mentor took the picture, end the caption with **PC: Your Name or Mentor's Name**
- Use graphs to help explain complex information visually and attract attention
- Images from Web should be cited:

Figure 1. Title of Figure. Explanation of Figure/Picture.

<where you found it online, PC:Tommy Trojan, etc.>



Figure 7: Insertion of our probe into a live rat. Probe was positioned carefully above insertion zones. We were careful to avoid contact between the insertion tool and cranium. PC: Ahuva Weltman, Leo Siow



Figure 8: Our insertion setup. Insertion apparatus and camera were positioned to record live insertions. PC: Leo Siow

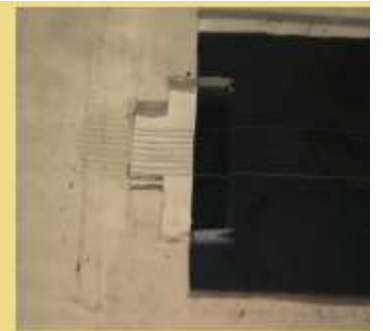




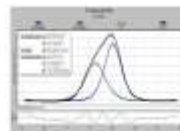
Figure 9: One of our PEG block models. We desired a slower melting rate for the PEG, thus we attempted to split the block into thirds. PC: Ahuva Weltman



Figure 1. The current model used for cryosurgical treatments, it is missing the argon and helium tanks. Adapted from "Cryosurgery for Breast Cancer." by Cary S. Kaufman and John C. Rewcastle, 2004, Technology in Cancer Research & Treatment, 3, p. 167. Copyright 2004 by Adenine Press

Poster Templates

- Here are two templates that you can use as starting points.
- They can be downloaded on the Poster Page: <https://viterbipk12.usc.edu/shine/posters-2020/>

USC Viterbi School of Engineering		Title of Poster Author and Email High School Name, Class of 201X USC Viterbi Department of _____ Engineering, SHINE 2017		SHINE Summer High School Internship in Next-Generation Engineering
Introduction Introduce the topic – this may mean giving an overview of the research being conducted by your professor and/or Ph.D. student mentor.	Skills Learned Talk about anything you've learned, done, grown to appreciate, or learned to see differently. You may use pictures and figures.	How This Relates to Your STEM Coursework Here you will talk about the impact of your SHINE experience on understanding your STEM Coursework. You can also write about what you can bring back to your school to help them understand the significance of said STEM Coursework. You may use pictures and figures.		
Objective & Impact of Professor's Research As much as you can, read and summarize in your own words what your professor's research is about and its impact in science or engineering and/or the environment, computing, traffic flow, baby's brains, maximizing fuel efficiency in ships, etc.	 <p>description of the figure</p>	 <p>description of the figure</p>	Next Steps for You OR Advice for Future SHINE Students If you have plans to or are interested in furthering your work done at SHINE mention it here. You can also choose to use this as a section to give any helpful advice for future SHINE students.	
Acknowledgements Always thank your professor, lab mentor(s), SURE mentor, perhaps your SHINE lab mate if you had one, and anyone involved in mentoring you (Dr. Katie Mills).				

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Objectives & Impact of Professor's Research As much as you can, read and summarize in your own words what your professor's research is about and its impact in science or engineering and/or the environment, computing, traffic flow, baby's brains, maximizing fuel efficiency in ships, etc.	Next Steps for You OR Advice for Future SHINE Students If you have plans to or are interested in furthering your work done at SHINE mention it here. You can also choose to use this as a section to give any helpful advice for future SHINE students.			
 <p>description of the figure</p>	Acknowledgement Always thank your professor, lab mentor(s), SURE mentor, perhaps your SHINE lab mate if you had one, and anyone involved in mentoring you (Dr. Katie Mills).			

More Information

- To see examples from previous SHINE years visit this link:
<https://viterbipk12.usc.edu/shine/poster-session/>
- For more info on using figures and or captioning images visit this link:
<https://owl.english.purdue.edu/owl/resource/560/20/>

