Creating a Science Poster February 13, 2018



To ask your questions: click 'Raise Hand' or use the chat window

> Student Research Symposia Open Office Hours/Webinar

2018 SRS Locations

Region	Location	Dates
Southeast	University of North Carolina, Charlotte, NC	April 19-20
Southwest	Metropolitan State University, Denver, CO	May 4-5
Northeast/Mid-Atlantic	Adam's Mark, Buffalo, NY	May 4-5
Pacific	NASA Ames, Mountain View, CA	May 18-19
Midwest	Wayne State University, Detroit, MI	May 18-19
Northwest	Montana State University, Bozeman, MT	June 1-2

Facilitating Student Research Webinars and Open Office Hours (7- 8pm EST)

Recorded webinars from this and previous years, along with many other related resources, are available from the Teacher Resources section of the SRS website.

Upcoming Webinar:

Monday, March 5 - 7p Eastern - Giving a Poster Presentation Register ahead: tinyurl.com/y9ljadvg

Resources for Teachers

Teacher Hotline:

Fill out <u>a short google form</u> and you will be connected with an experienced GLOBE teacher who can discuss your question over a brief phone call.

SRS Teacher Listserv:

- Stay updated on SRS information and deadlines.
- Find out about webinars and events.
- Direct links to new and exciting teaching resources for student research.

Sign-up link on the SRS webpage.

U.S. Regional SRS Webpage:

https://www.globe.gov/web/united-states-ofamerica/home/student-research-symposia

Open for Q&A

Please use the "raise hand" or chat window to ask your questions.

Putting it all Together -The Science Poster

Student Research Sympoisium

The GLOBE Program



Tracy Ostrom GLOBE Partner, UC Berkeley

Components of a Science Poster

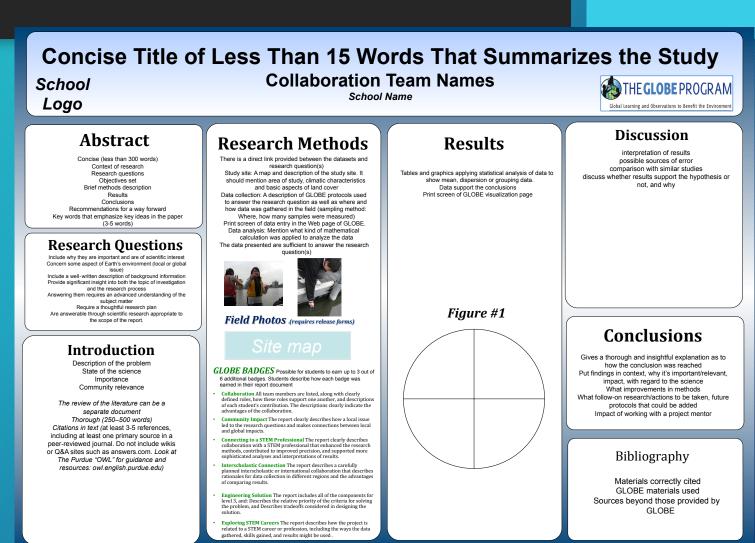
• Formatting

• Presenting your story

• Examples

The GLOBE Science Poster

- Title (15 words)
- Abstract (200 words)
- Research Question
- Introduction (claim)
- Research Methods
- Results (evidence)
- Discussion of Results
- Conclusions (reasoning)
- Bibliography



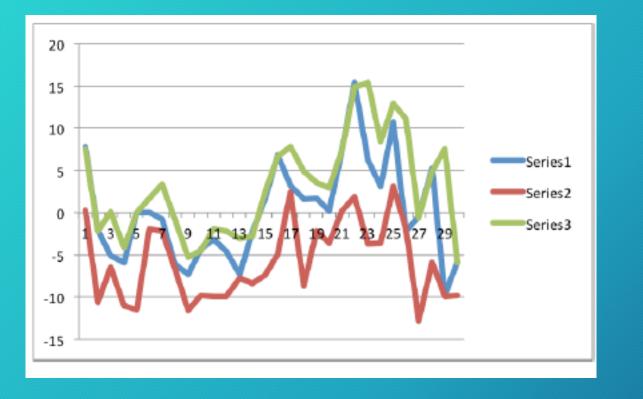
Fonts, Colors and Sizes

- Font Use Sans Serif fonts (no "wings")
- Avoid Fancy Graphics (shadows, outlines)
- Color: dark on light or light on dark (no reds)
- Use consistent large fonts
 - ✓ Title 80
 - ✓ Headings 40-60
 - √Text 36

Results/Data

- Graphs guide your audience to your conclusions
- Label EACH axis
- Include a legend
- Include a title for tables and figures
- Evaluate your data and decide the best representation of your data: pie chart, plot line, bar graph
- (Tables are ok but can be hard to follow)

Which Graph Makes Sense?



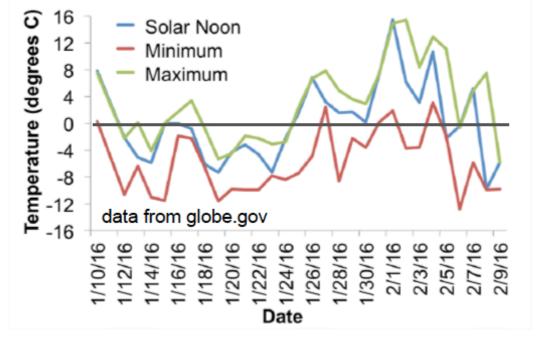


Figure 1. Temperature measurements at Littleton, MA, USA, January 10, 2016 through February 9, 2016.

Which Table Makes Sense?

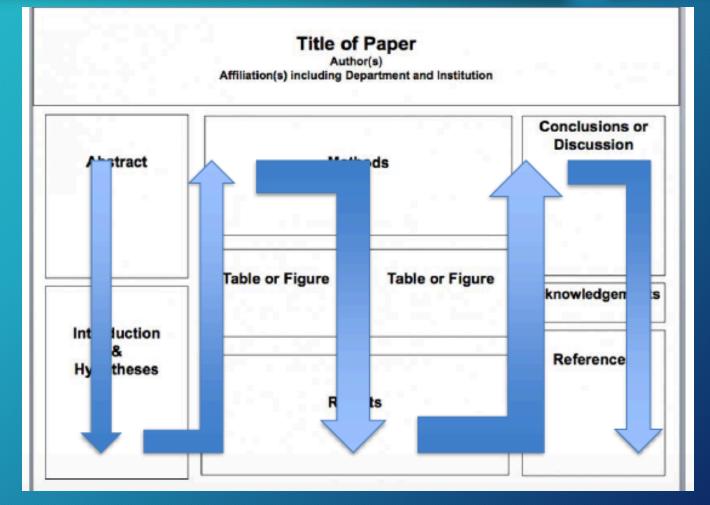
	Rain	Snow	Temperature
1	1.2	4	-28.345
2	2	2.24	-4
3	3.36	3.1	1.2
			Table

Table 1. Total rain, snow, and average daily temperature in January 2016.

Classroom	Rain (mm)	Snow (cm)	Temperature (°C)
Barrow, AK	1.2	4.00	-28.3
Littleton, MA	2.0	2.24	-4.0
Portland, OR	3.4	3.10	1.2

Presenting Your Story

• Your poster should tell your story.





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Passive Solar Still Phase II

Bruno Gallegos, Victoria Gomez, Paola Rubi

Jayme Margolin-Sneider, Monica Martinez Westview Middle School, Longmont Colorado



Abstract **Research Methods** Our preting to restar for GLE Heat an and the set of the set main and a minim dowest man Wour drivers which such a References which is a balance of the second sector of feetbroughter type uto enprotony the routput year And have an an an an an an an an and the set of the behavioredbates/beth?eani terrent shahun migraaciil RCOInstriganti) hort terrameeris the Design of the share down in the definition in the sector sector and the sector of the sect one drive a maximizer out else of Water these Order engine have tate for a implicit both will e Sintel es ris Steorbraubroche petrole de restrictioners keeping-ees the old manufacture of the definition **Field Photos** Treates include the state what a wet the internamultiple and the second of the second s management and any fleeting detailed and any prototy eligination of sup-tojety-annual-sound-admittal put biochologic el la constanta de Peristanene Mevelowet was doubled benthiostat the second s **Research Question** summer of the state of the stat minimum from your of they look in size All her manual and Presented Billion and the state of a state of the state o And Ophninger Red Interiori Bung Colompan satu Montodinans estamant. in second (articles and because weak and heapy and the bat formed the second state and the second state of the second state and the second state of the Analysis and a state and a state of the state south the design as the providence of the second state of the and the state of t Hypothesis Book Section And here And Internation frequent indocer rankburd (Tearity raispas o enatable ford RECares tendenteinung PCD sisting and assigned and enabled to hehite INFRICTION TR Additional Research Information GLOBE BADGES **Investigation Plan** Collaboration of the second se marked and every distance bial and the second s Trafectory and clean of rule unbergenerging and allow in the total beleftieleterrekterrentssmeltende evenis and investment from counterfound framily of (We his shafts accordiate on the standard and and share been been been Constant Sugar (Marilian) and String a harf of order (1) have have not involved and Food find (during) (57) The former we stated and have been and an interest the second second second details and alwards roundab (and have or desublicity) rises are a balance of the second offered on the other physics are benefician the back to be while units indvanitori()abrd) bet-exceptioneriat alarial the barriet has at time bate white maniphal and has remember Conserved for the Balance of Server and a set of all and a set of the Server of Server planid genetics this regroup dop-atfield. These lands appendix shall be at would used an array of the sport has been aligned in Comments in the party ward have not on the same spinger texts raper; each stage tak-catholicity staff gard). rearby to exvect of in thematelike the aveiling on the average of the section of and the electronic state of each end that he will a handede ted annexiste age op so it is before all dy tax-anging the aufonate-auto accural Wetershor-Jah Law Phasianh and Termini etc. on advisor during will encode etc. or at reall quality is a set for a set of the set o reservable immunito/could inhebylinke Transactivelinghe Understood what between the terrate and when the service in the service of the se with 40.400 km - compared spring find combinities - filter at which experiments as well a top as your filter half share sized more first grift a loved a mobilized ability of a long to a long to a the feither toging the sender is soft when had in the and had in the set of the set of the set of the local to prove the set of the (1) Turphantings: Tuffotting introduction and private installation of all

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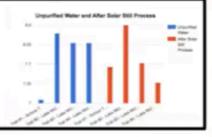
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Data Summary

Results





Data Analysis

Conclusions

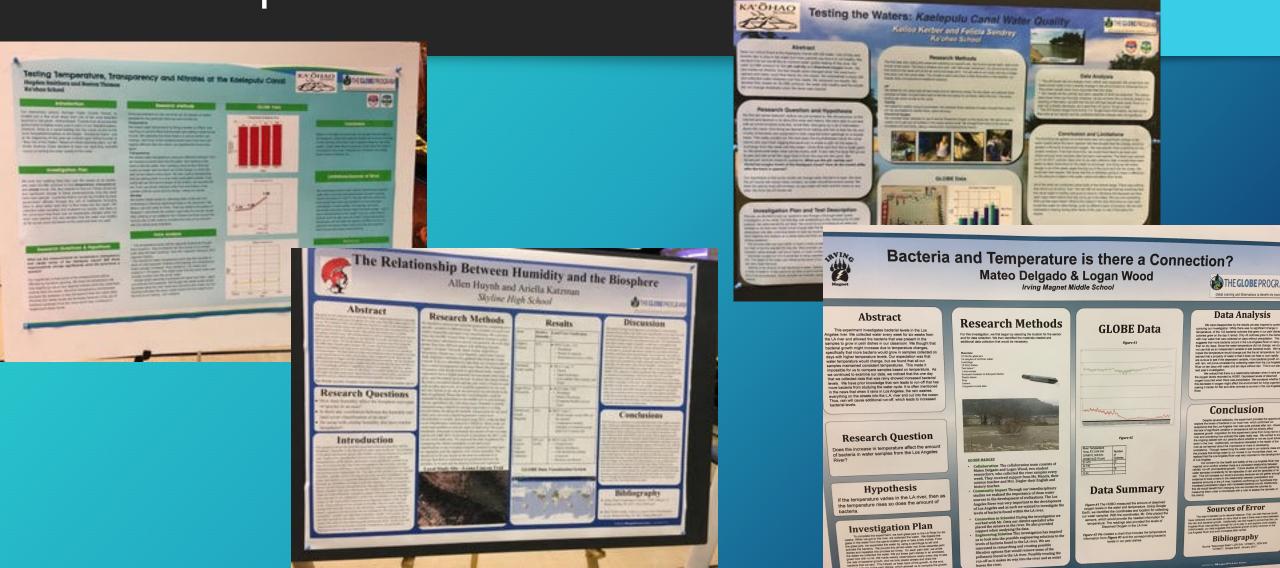
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Limitations/ Sources of Error

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THANK YOU tostrom@berkeley.edu