

Mandatory Sections (Sr)

- Abstract
- Introduction
- Materials & Methods
- Results
 - Data Tables
 - Graphs
 - Observations
- Discussion
- Conclusion (*optional*)
- Name/school on back



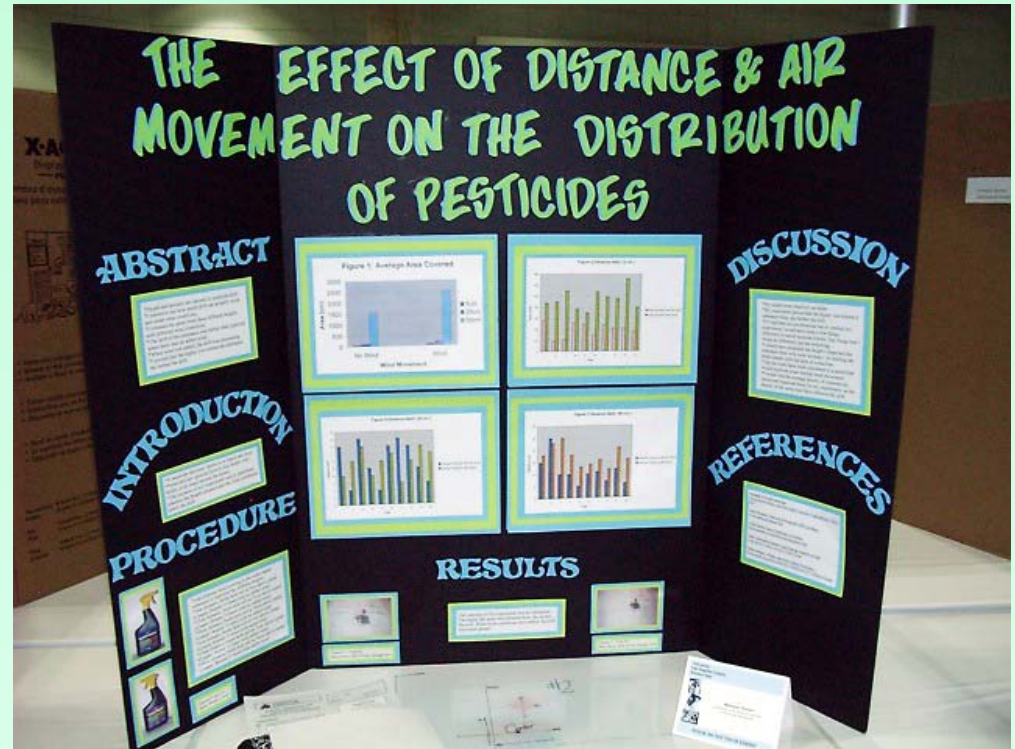
Displayed on table:

- Log Book/Journal
- Research Report w/ References
- Acknowledgements (*optional*)

Mandatory Sections (Jr)

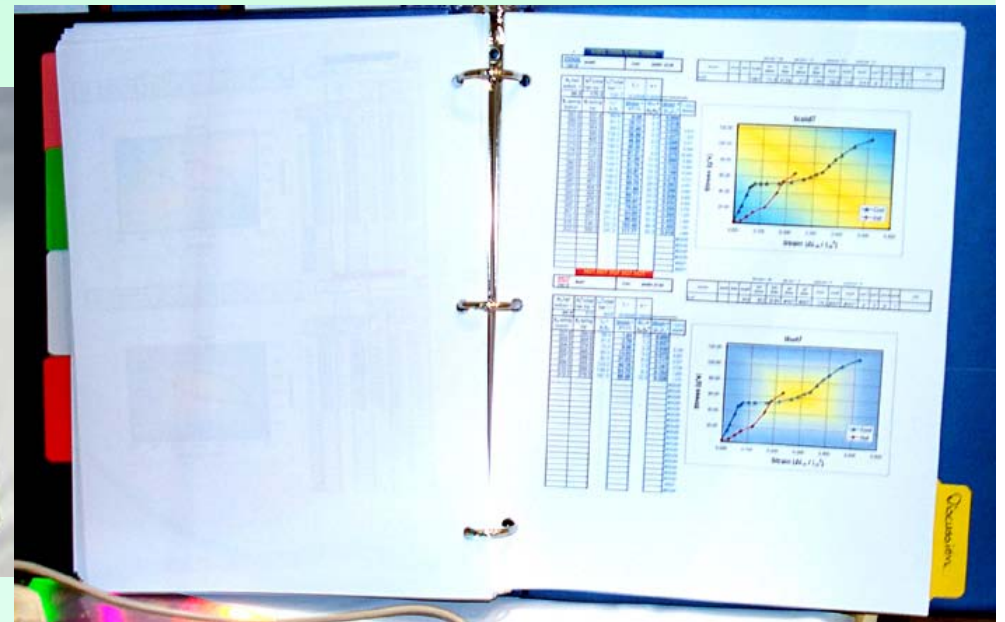
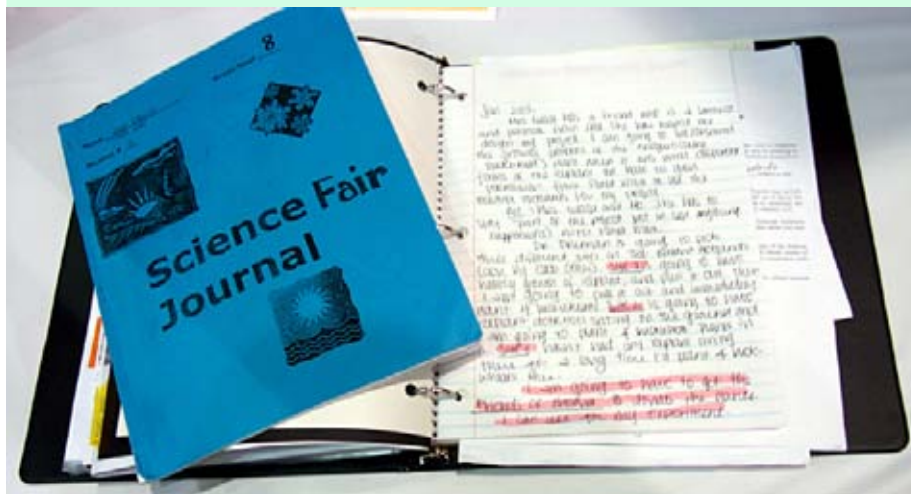
(Jr. Division has more latitude in section titles...)

- Abstract
- Problem & Hypothesis
- Introduction/Background
- Materials & Methods/Procedure)
- Results (Data)
 - Data Tables & Graphs
 - Observations
- Discussion
- Conclusion (*optional*)
- Acknowledgments (*optional*)
- Name & school on back
- ***Displayed on table:*** Log Book/Journal Research Report w/ references



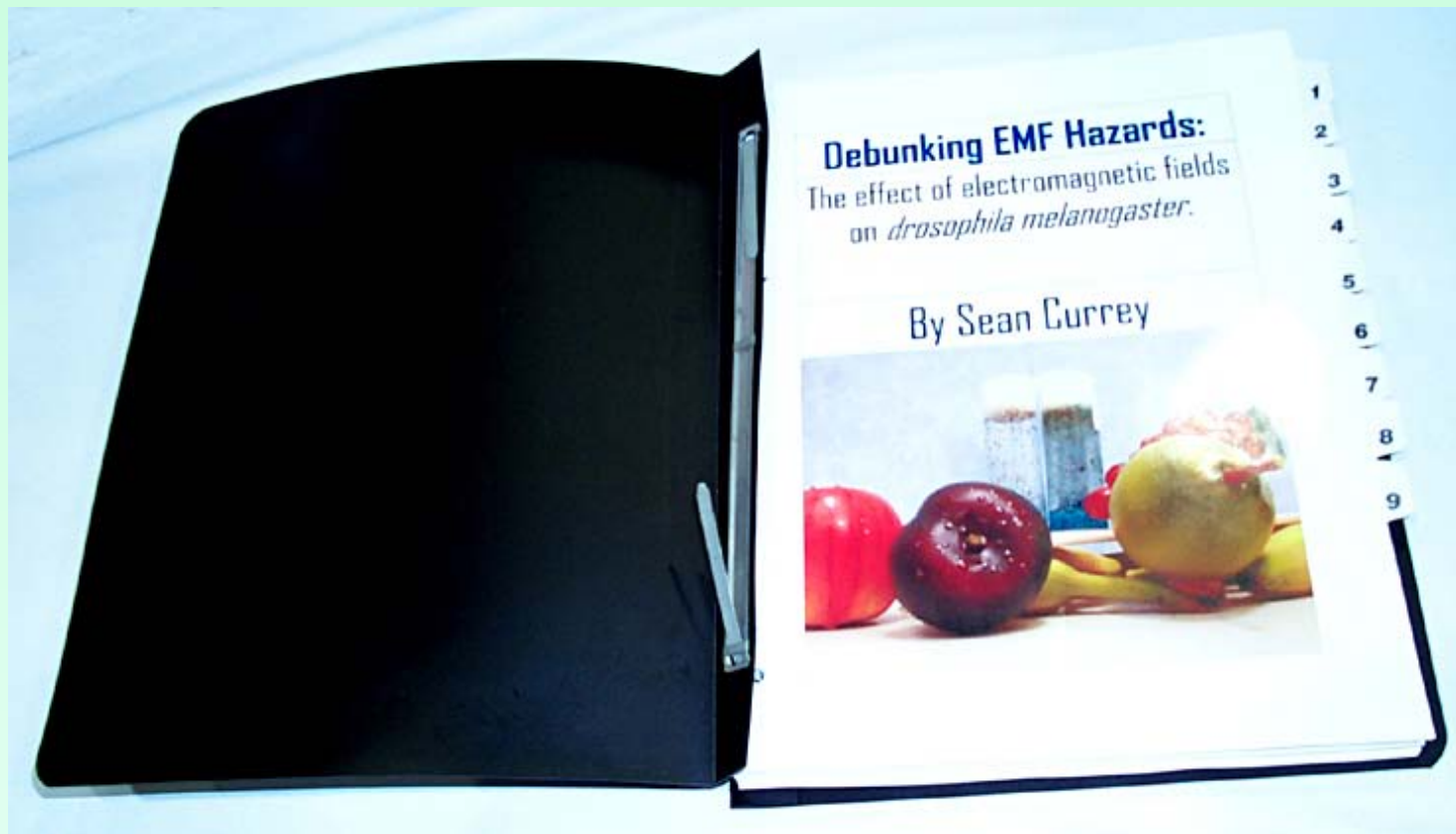
Have Your Log Book Present

- A "journal", detailing all activities
- Include actual data collected
- Additional relevant materials

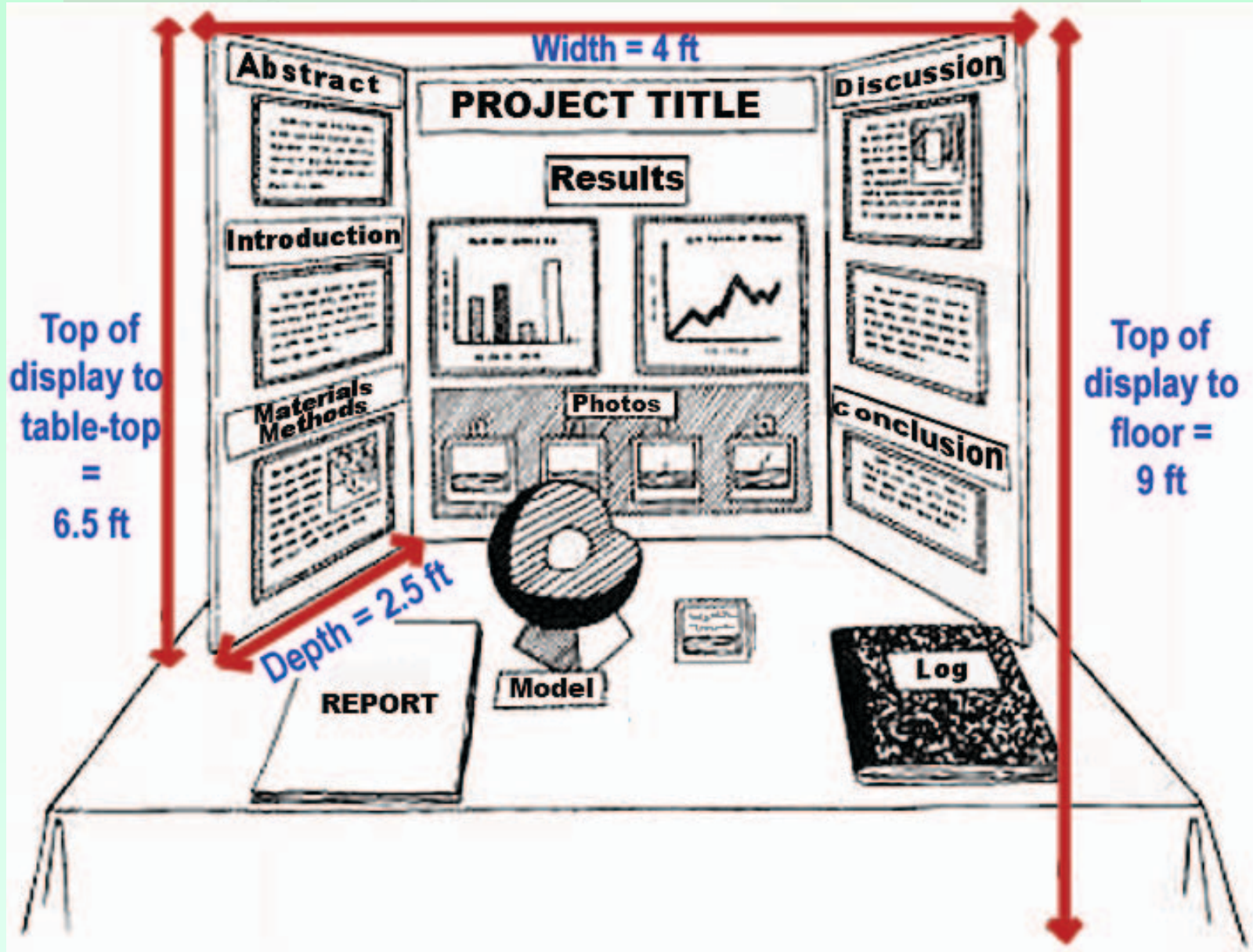


Include a Formal Report

- ALL reports should be typed
- Follow format and sequence



Display Board Sizes



Too Tall To Read



Too Small



Construction

- Display should **stand alone**
- Pieces should **NEVER** fall off!



Titling Size & Content

- **Main Title:** 3+ *in*
- **Subtitles:** 2+ *in*
- **Text:**
 - 14+ font
 - Bold
 - Concise
 - *Understandable*

JR exhibit
example

QUESTION

How will atmospheres with carbon dioxide concentrations of 700ppm and 1400ppm affect *Mentha piperita*?

HYPOTHESIS

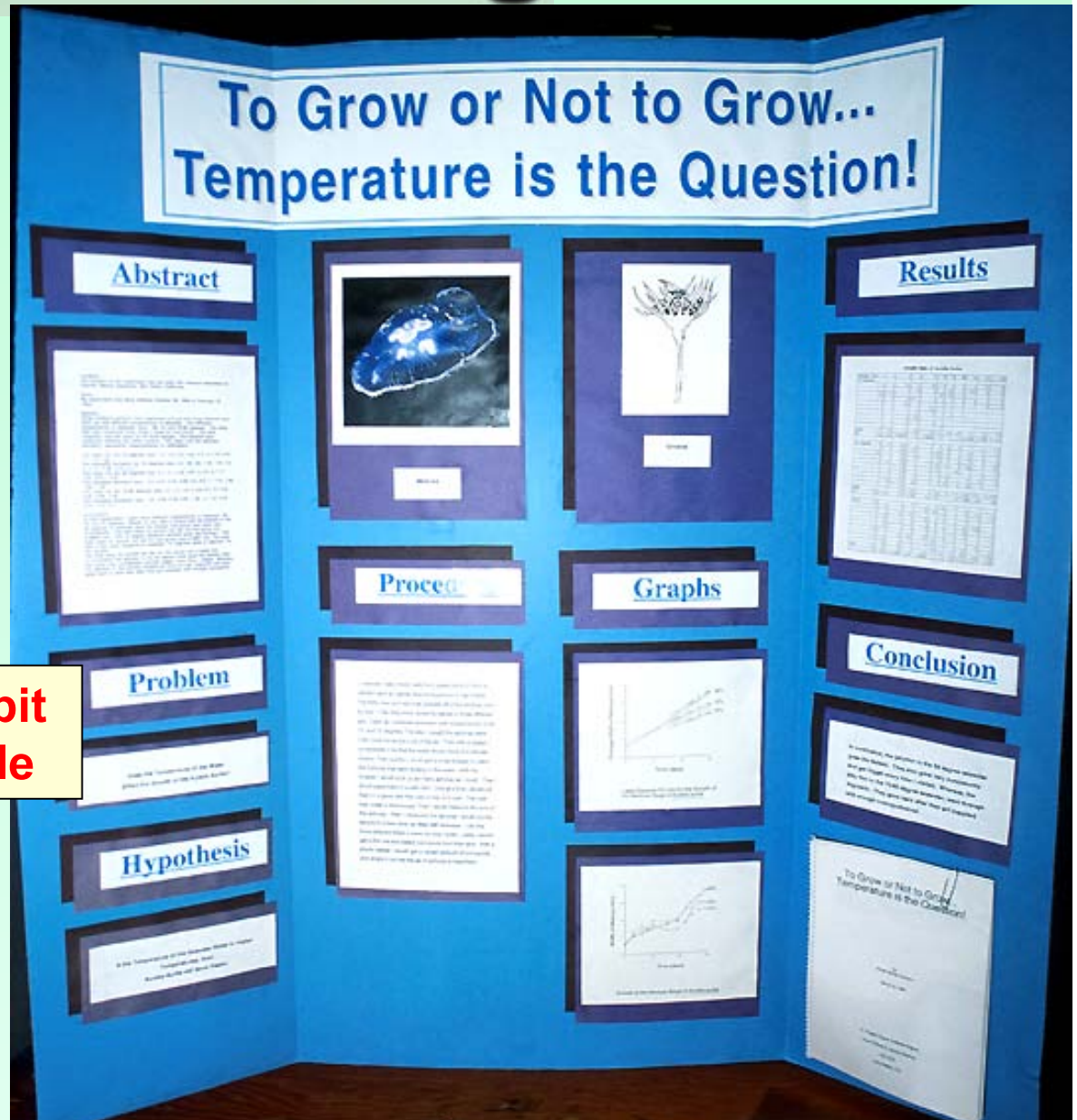
I think that due to the higher amount of carbon dioxide in the atmosphere, the plants will perform photosynthesis at a faster rate thus increasing their growth rates. This, in turn, will make them larger and more plentiful.

Formatting

- Make sure all sections are neatly & clearly displayed

JR exhibit example

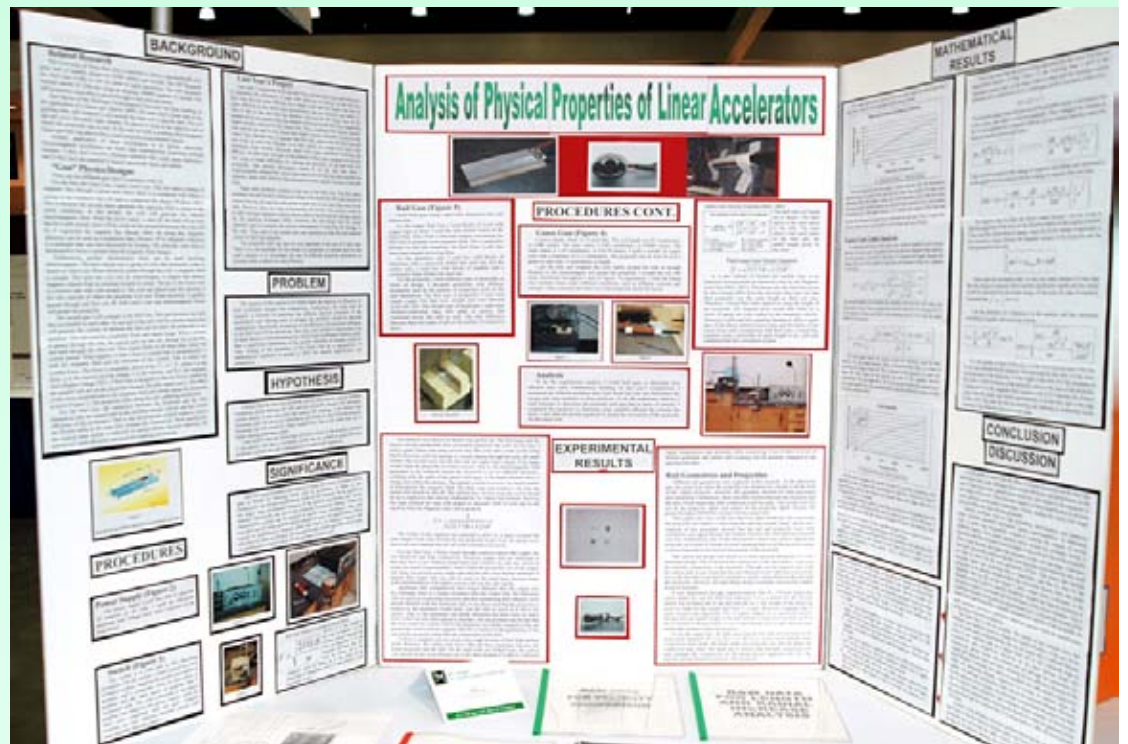
- Be concise



Be Selective

- *Don't put **EVERYTHING*** from your report on to the display
- The report is there to read...

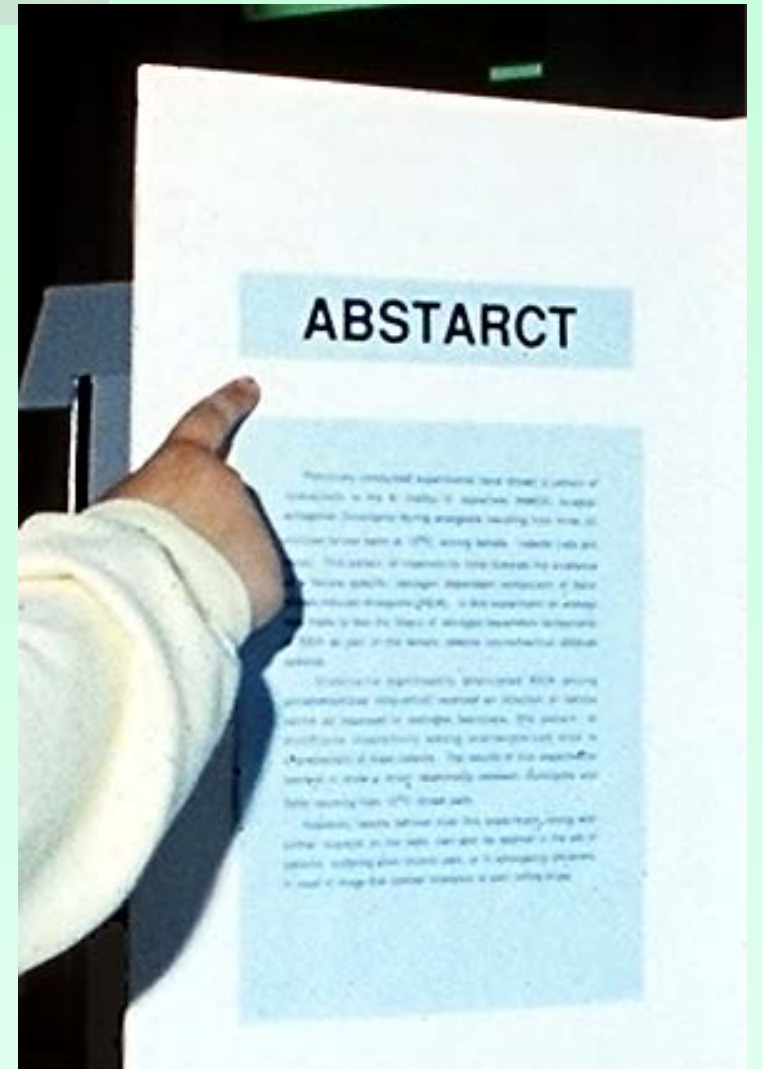
Don't overkill



Titling and Text

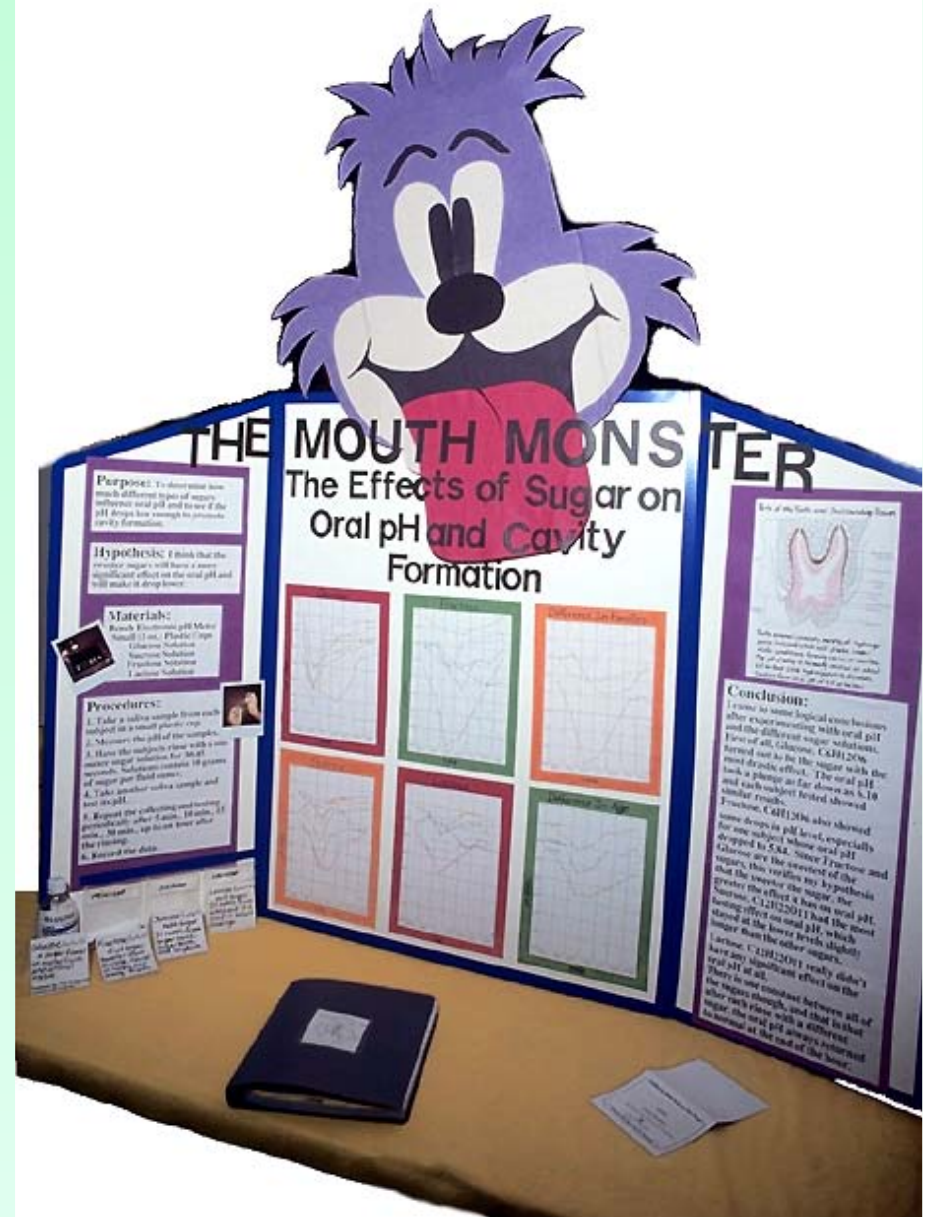
- **TYPED & PROOFREAD!!**

- ***Spelling counts...***
- ***Neatness counts***



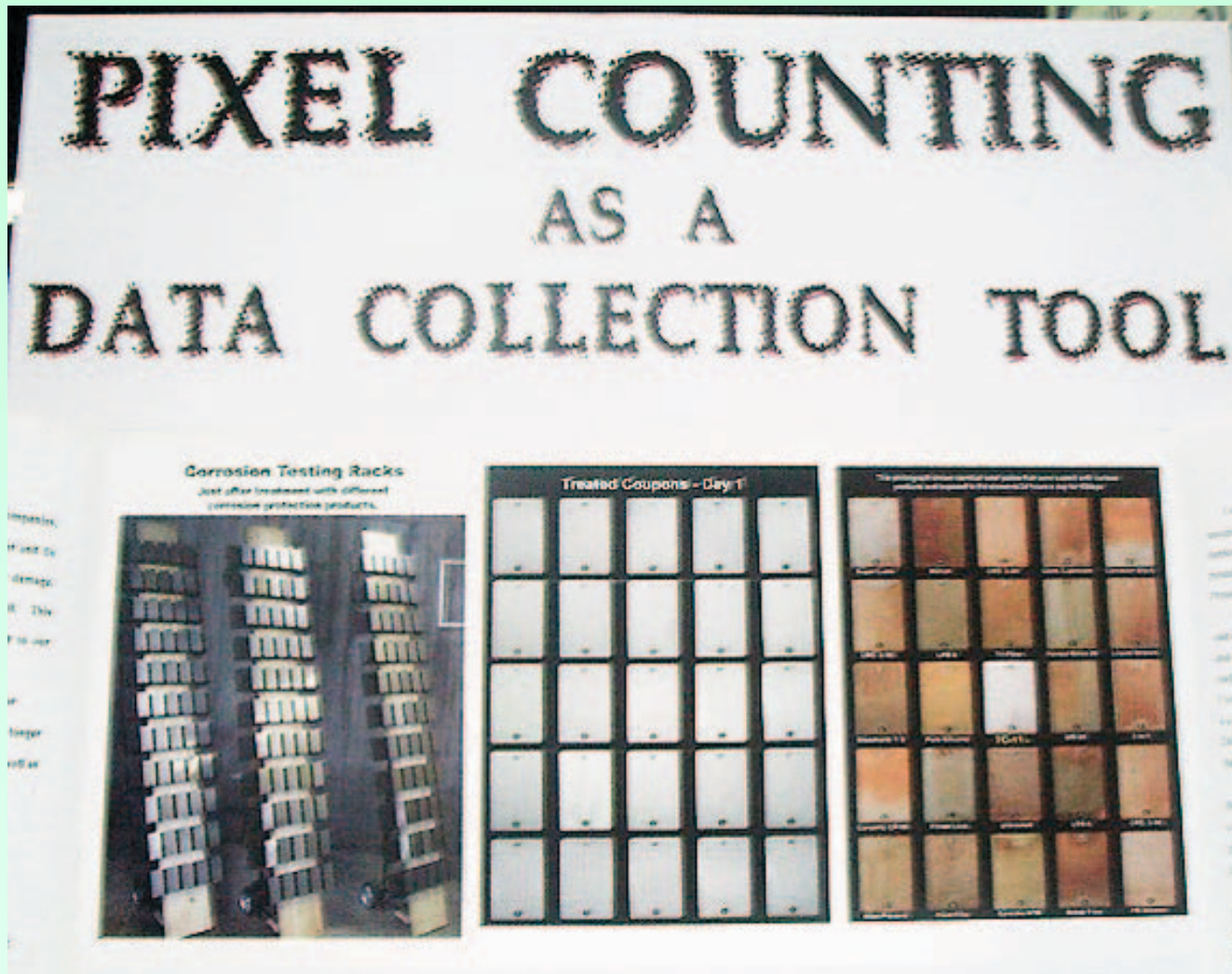
Explanatory Title

- Make sure your title is not confusing
- If necessary, use a **sub-title** for a clear explanation



Titling Enhancement

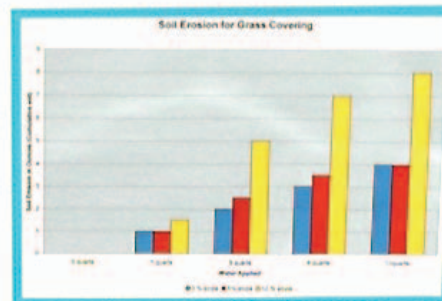
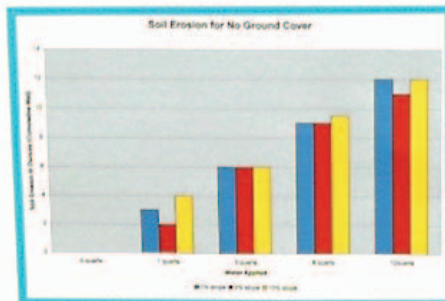
- Use novel way to make titles “pop”



Graphs and Figures

- Keep Graphs
 - Large
 - Interesting
- Keep data increments comparable
 - Readable
 - Properly labeled

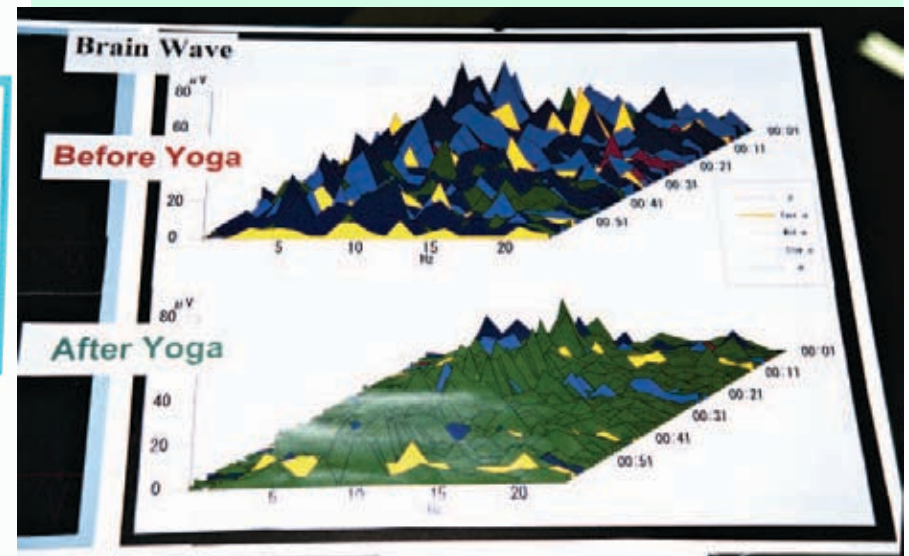
DATA



Soil Erosion for No Covering				
Water Applied (cm)	Soil Erosion (cm)	Water Applied (cm)	Soil Erosion (cm)	Water Applied (cm)
0	0	2	4	4
1	3	3	5	5
2	4	4	12	12
3	5	5		
4	12			



Soil Erosion for Grass Covering				
Water Applied (cm)	Soil Erosion (cm)	Water Applied (cm)	Soil Erosion (cm)	Water Applied (cm)
0	0	2	2	4
1	1	3	4	5
2	2	4	7	7
3	4	5		
4	7			



Use Drawings to Explain Difficult Concepts



How viruses attack



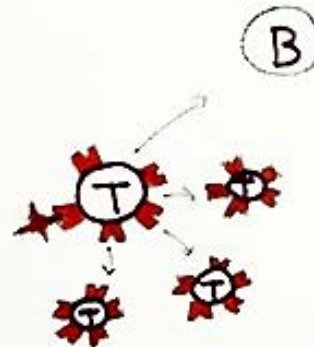
Virus enters through
receptor



Cell begins manufacturing
new viruses



How the body fights back



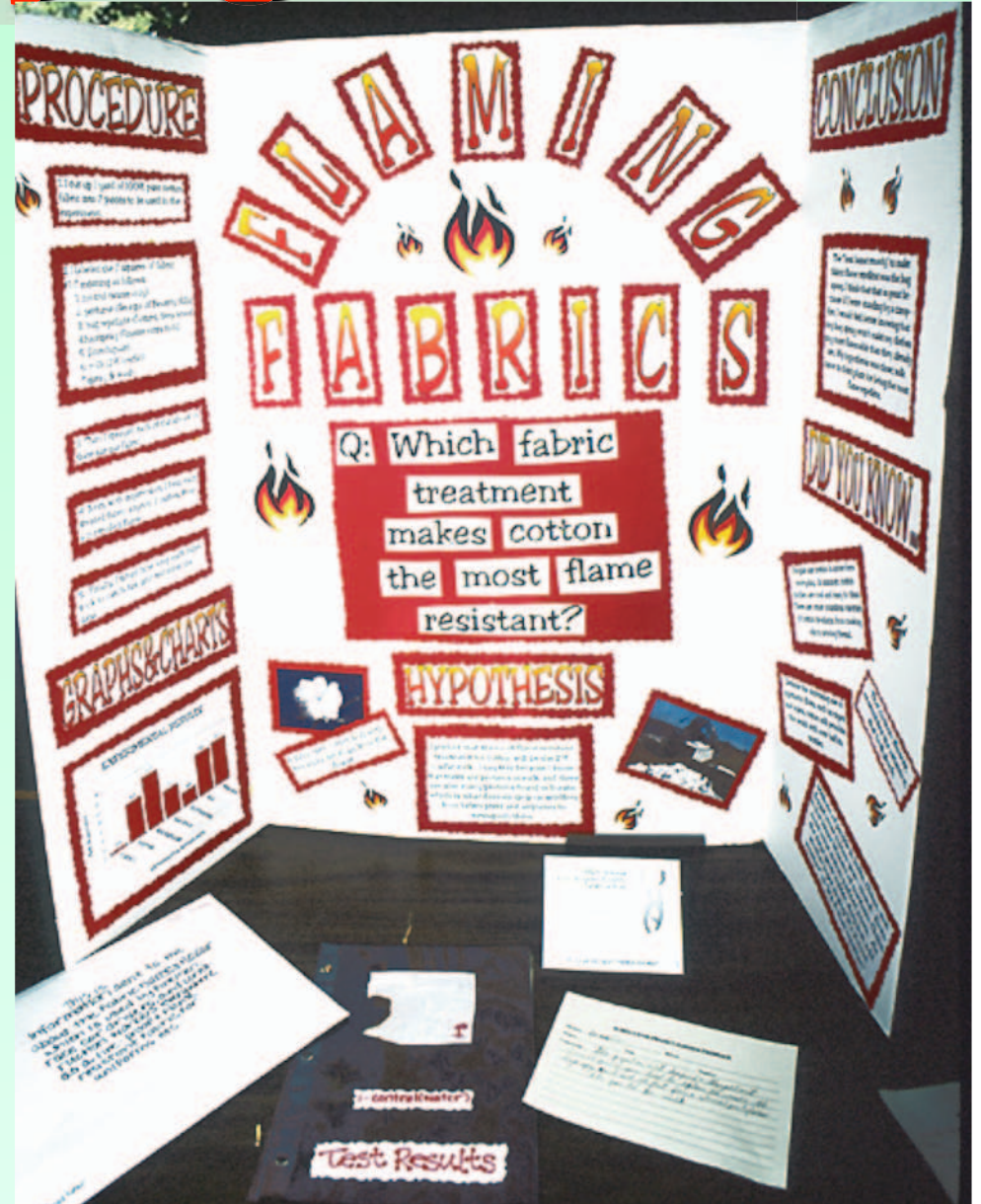
T cells are produced
B cells are activated



B cells produce antibodies

Pick a Unifying Theme

- Fonts, background and/or graphics that go with the **theme** of your project



Picking a Font

- Don't use *extra fancy* fonts
- You want judges to be able to read & focus on your *information*

Project Title

Project

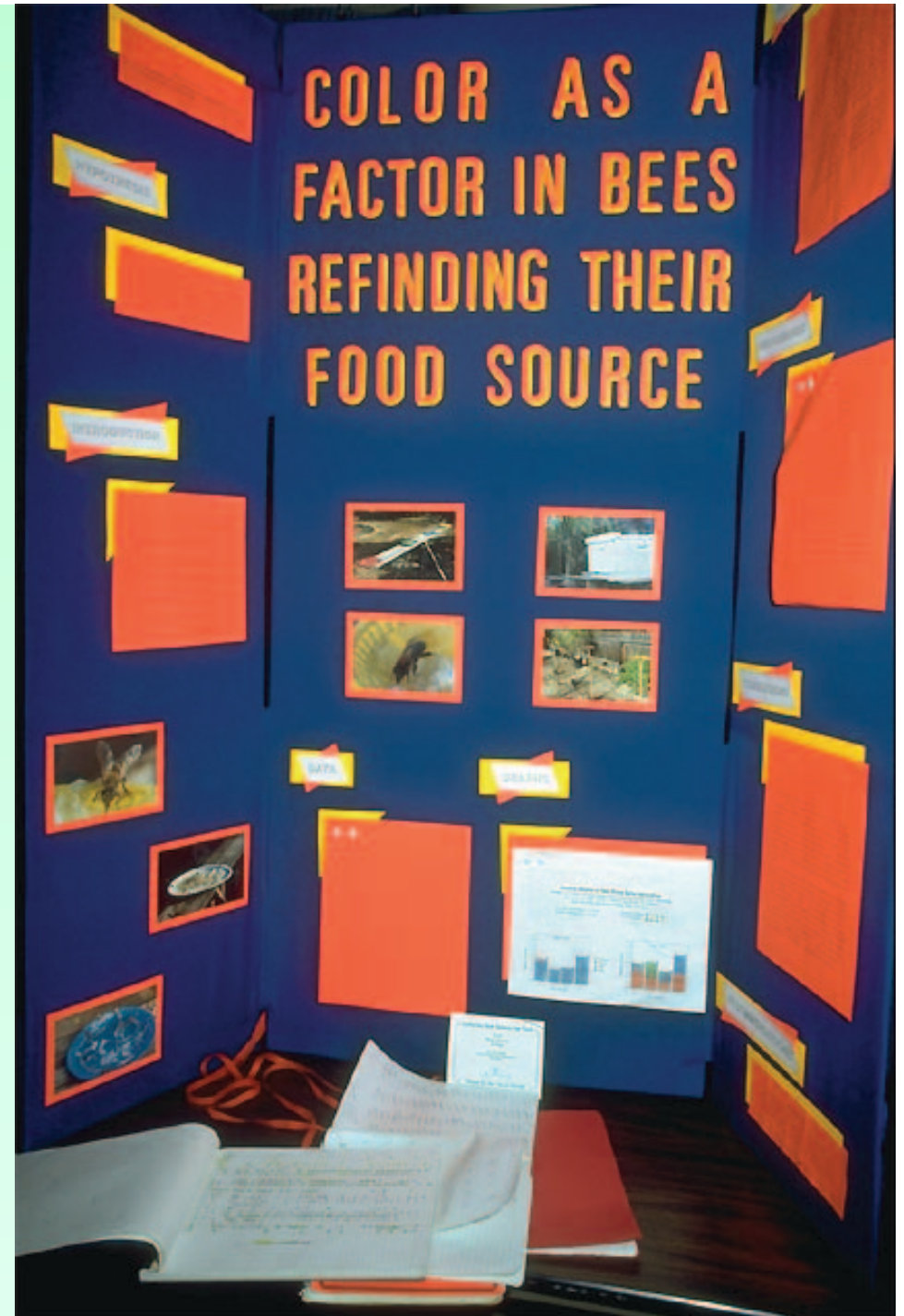
Project Title

Project Title

PROJECT TITLE

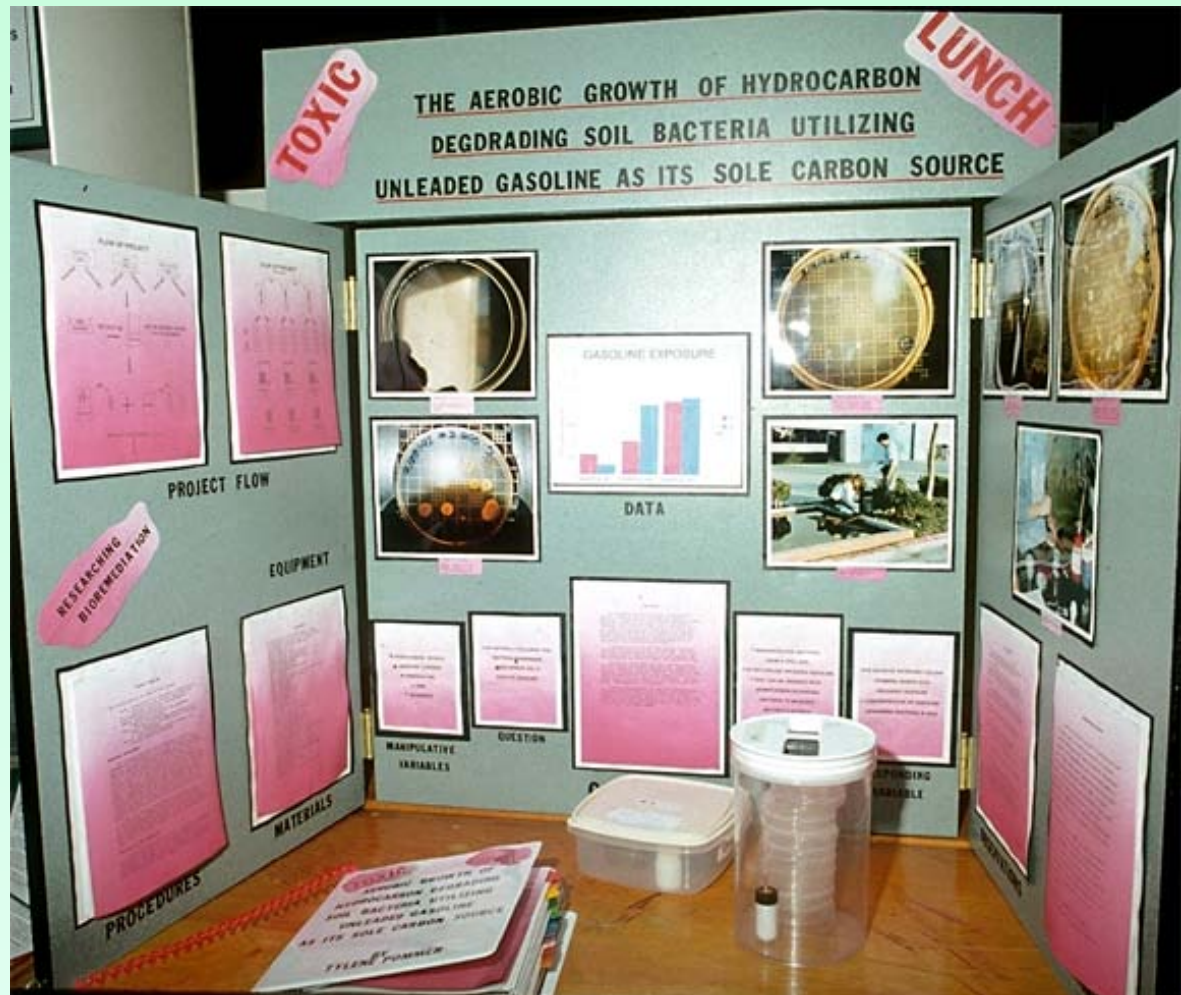
Color

- Color use tied to the project
- Recommended:
 - No more than **3 colors**
 - *Dominant*
 - *Accent*
 - *Background*



Use of Color

- Can tie a display together
- Act as a **unifying theme**



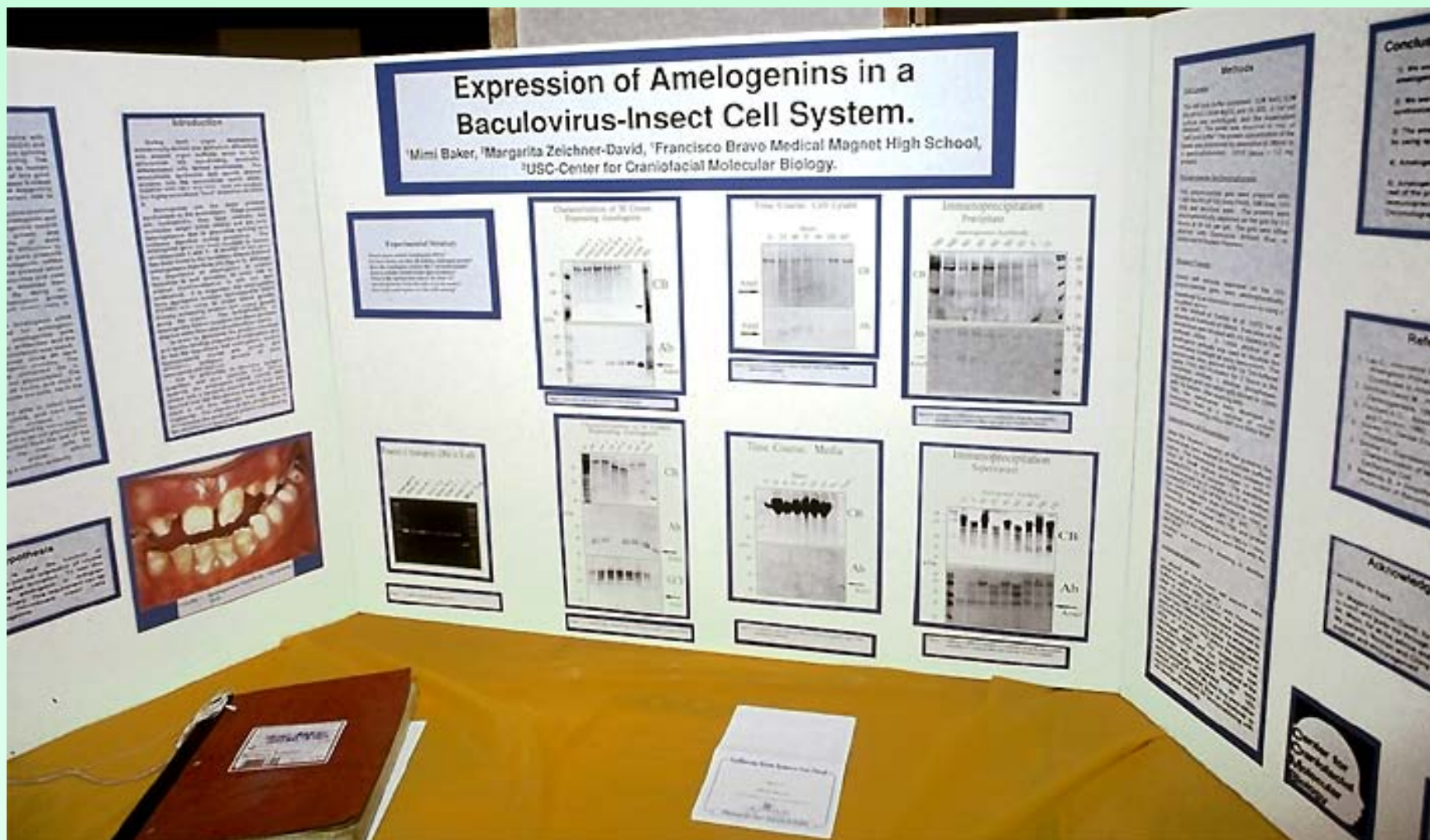
Too *MUCH* Color!

- Your eye doesn't know where to land
- No focal point
- Disturbing



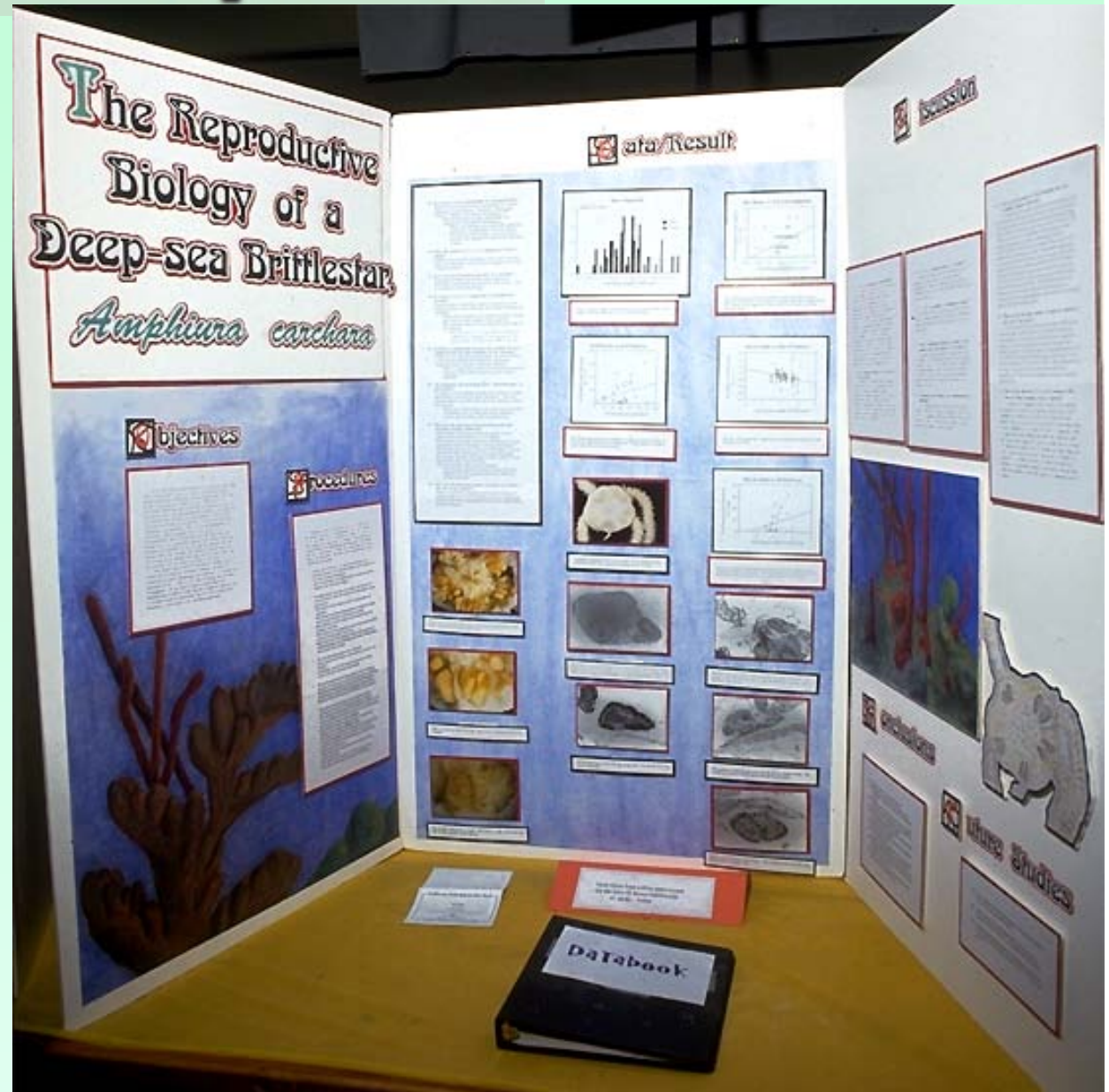
Graphics

- Liven up a presentation



Graphics

- Make the display board represent a study site



Photos

- Can visually demonstrate procedures

PROCEDURES :

* Step 1: Purchase & unwrap 8 regular or plain hamburgers (2 each)



* Step 2: Weigh each hamburger patty.



* Step 3: Cut the burger into small cubes.



* Step 4: Boil one and a half cups of water in a pot.



* Step 5: Put the cubes-burger meat in the pot.



* Step 6: Boil the burgers thoroughly: 2 minutes from the boiling point.



* Step 7: Pour the boiled water and burger meat in the styro foam cup.



* Step 8: To cool the meat faster put the cup in the refrigerator. (Repeat steps 1-8 to the remaining 3 burgers)



* Step 9: When the cooked burger meat is completely cold, remove the floating fat by using a spoon and pour the fat in a microwaveable cup.



* Step 10: Dump the water out of the cup, use a spoon to get the leftover bits of fat.



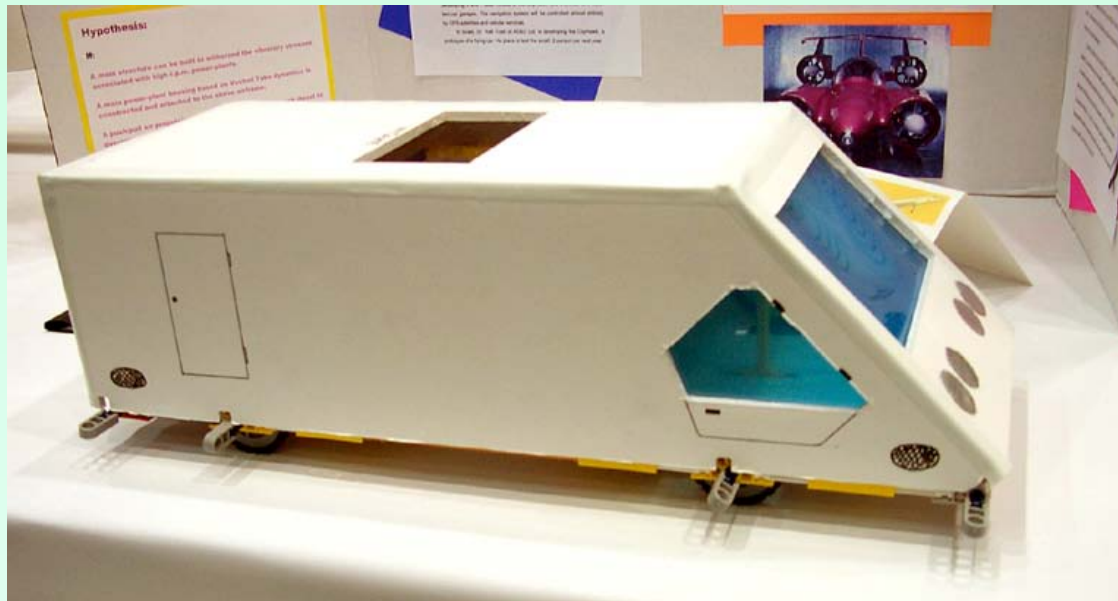
Displays

- 3-D Displays are encouraged
- *If you can, display the **actual equipment** you used to test your hypothesis.*



Displays

- Should be **student-designed**
- Directly tied to the project
- **Follow rules** on what may be displayed



DON'TS

- Don't include **living or dead bacteria, viruses or fungi** in your display
 - *Use photos or models instead*



DON'TS

- Don't include **highly expensive pieces** *unless you are willing to remove them immediately after the interview*



Be Aware...!

- We cannot be responsible for small, easily stolen items you leave at your own risk
- We cannot be responsible for easily broken items you leave at your own risk.
- ***Photos/drawings are excellent options!!***



Remember...

- No matter how fancy & eye-catching the display...
- *It can't take the place of solid, well-documented and analyzed research*



Designed & Photographed by
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Los Angeles County Science Fair

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