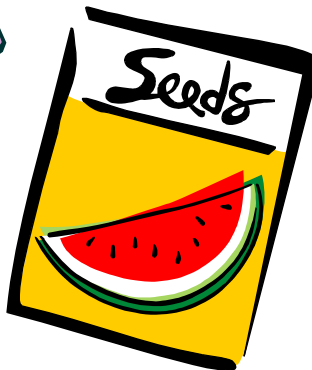
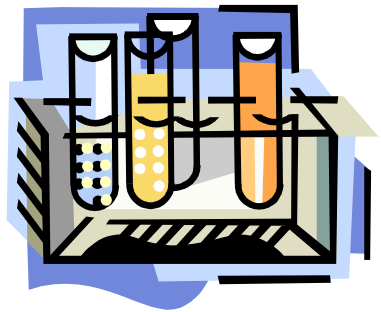
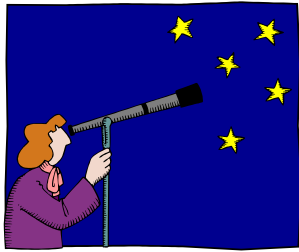


SCIENCE FAIR TOPIC



**WHAT AM I INTERESTED
IN LEARNING ABOUT?**

RESEARCH

(includes finding resources, taking notes, then writing the paper and bibliography)

This book has a whole chapter on my topic.



I found a great article in this online magazine!



WHAT CAN I FIND OUT ABOUT MY TOPIC?

QUESTION



**WHAT QUESTION DO I
WANT TO ANSWER?**

HYPOTHESIS



WHAT DO I THINK WILL HAPPEN?

PART ONE

Due at 9:30 AM

the last day

in January!

THE DAILY LOG FOR PART ONE INCLUDES:

- **diary entries about your thinking and about the work you have done**
- **all source material you have printed out or Xeroxed**
- **all your notes for your research paper**
- **your rough draft of your research paper**
- **your rough draft of your bibliography**

PROCEDURE



**HOW WILL I PERFORM THE EXPERIMENT
THAT WILL ANSWER MY QUESTION?**

MATERIALS AND EQUIPMENT LIST



WHAT MATERIALS AND EQUIPMENT WILL I USE TO PERFORM MY EXPERIMENT?

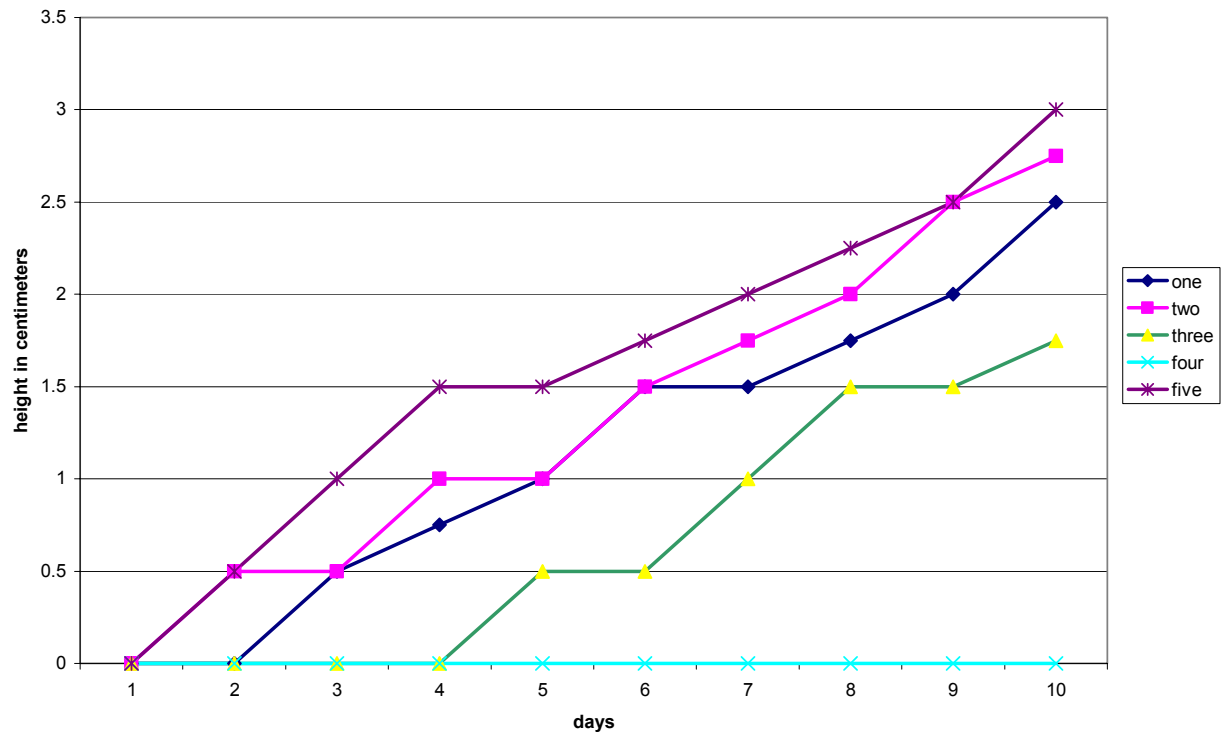
EXPERIMENTAL DATA

PLANT HEIGHT IN CENTIMETERS										
Group	Plant	Date and Time								
rock music	1									
	2									
	3									
	4									
	5									
jazz	1									
	2									
	3									
	4									
	5									
classical	1									
	2									
	3									
	4									
	5									
COMMENTS:										

WHAT DID I OBSERVE?

GRAPHS OF DATA

Plant Growth with Jazz



HOW CAN I GRAPH MY OBSERVATIONS?

ANALYZING RESULTS



OK, I can see the same trend on four of the five graphs. Of course, the second experiment was when I didn't hear the timer go off, so I messed up on that one

WHAT HAPPENED IN MY EXPERIMENT?

- What did I observe?
- What do my tables/graphs/diagrams show?
- What caused my experimental results?
- What do the results mean?
- Were there any problems?
- How could I improve my experiment?

CONCLUSION



WHAT IS THE ANSWER TO MY QUESTION? WHAT DID I LEARN?

- **State whether your hypothesis was correct and explain *why* it was correct or incorrect.**
- **Explain how your data proves or disproves your hypothesis.**
- **Explain what you learned from doing your experiment.**
- **Explain how what you learned relates to your background research.**
- **Explain why your experiment is important.**
- **Explain how it relates to real life.**
- **Make a statement about further questions you have.**
- **Suggest possible extensions to your experiment.**

PART TWO

Due at 9:30 AM

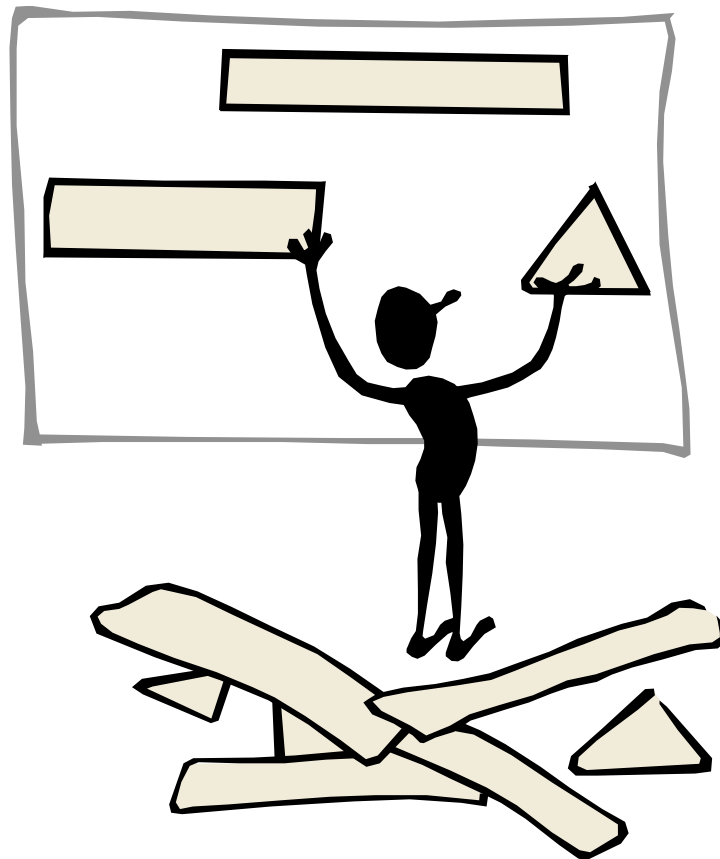
the last day

in February!

THE DAILY LOG FOR PART TWO INCLUDES:

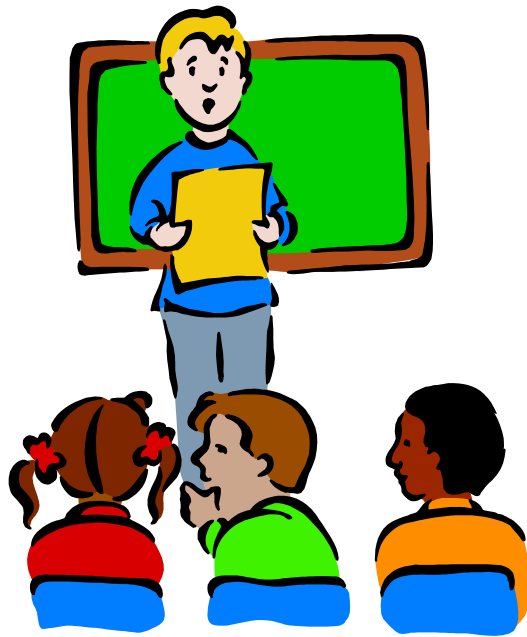
- **diary entries about your thinking and about the work you have done**
- **all the rough draft records of your observations**
- **the rough draft of your data table**
(create the table in Word, record your observations in ink while you are doing the experiment, then make a final draft on the computer for your journal)

DISPLAY



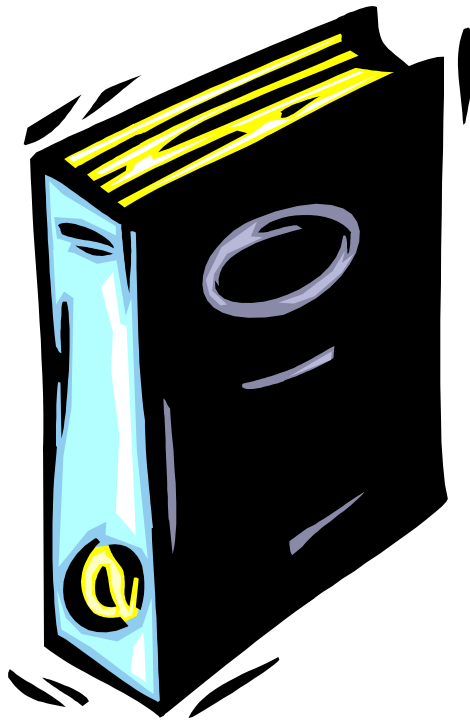
HOW CAN PEOPLE SEE WHAT I'VE DONE?

THE ORAL PRESENTATION



**AM I PREPARED TO TALK TO PEOPLE
ABOUT MY PROJECT?**

THE SCIENTIFIC JOURNAL



**WHERE IS ALL MY PAPERWORK
IN FINAL DRAFT, PUBLISHED FORM?**

PART THREE

Due the day
of the school
Science Fair!

THE DAILY LOG FOR PART THREE INCLUDES:

- **diary entries about your thinking and about the work you have done**
- **rough draft of your acknowledgments page**