




# AINSWORTH SCIENCE FAIR

SATURDAY, MARCH 17, 2018

- 9:00 - 9:30 Set up project displays
- 9:30 - 11:00 Project viewing, presentations to Science Buddies, hands-on science activities
- 11:00 - 12:00 Science Show in auditorium
- 12:15 - 12:45 Egg Drop Contest
- 12:30 - 1:00 Remove displays and clean up



MARK YOUR CALENDARS. START YOUR PROJECTS.  
PLAN TO ENTER. PLAN TO ATTEND.  
SERIOUS FUN FOR ALL.



Grades K-2



The Science Fair welcomes all Ainsworth students and families. Every interested student is encouraged to enter a project. But even if you don't enter, you can still come and enjoy the project displays, do a hands-on activity, watch the science show, or take part in the Egg Drop Contest.

### GUIDELINES FOR SCIENCE FAIR PROJECTS:

- Please skim through the entire booklet before beginning.
- Do something that really interests you: **GET EXCITED!**
- Keep it simple and fun.
- A "Science Buddy" will discuss your project with you at the fair.
- Fill out an entry form (on back of this packet).
- Complete the enclosed Laboratory Notebook, making sure you have the one for your grade level.
- Put together a display that shows and explains your project — including your Laboratory Notebook--and bring it to the Fair.
- Adult help is encouraged at any level - emphasis is on **learning** and **enjoying**. This is **NOT** a competition.

### GUIDELINES FOR THE EGG DROP CONTEST:

- Bring a raw egg inside a package of your own design that will protect it so it won't break when dropped off the backfield wall.
- No pre-registration required; grouped by grade level.
- Eggs must be raw, but in splatter-proof packaging smaller than 12" x 12".
- No bubble wrap, balloons, styrofoam, or similar, please.

**THANK YOU AINSWORTH PTA FOR SPONSORING THE SCIENCE FAIR!**



Grades K-2 Laboratory Notebook



(Title)



**-A SCIENTIFIC INVESTIGATION-**



By



(Name)



(Date)



(Grade)

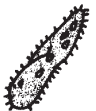


(Teacher)



**AINSWORTH SCHOOL**

**SCIENCE FAIR 2018**



# HOW TO USE THIS LABORATORY NOTEBOOK

Make sure you are using the lab notebook for your grade level. Look through all the pages. The wrapper sheet has basic Science Fair information and your entry form. Check out the Guidelines. This lab notebook guides you through steps to follow in choosing and doing your Scientific Investigation, making your display, and presenting to your audience. Put the completed lab notebook into your display, along with any other notes. Your lab notebook must be included in your display.

## TABLE OF CONTENTS

	<b>Page</b>
Making a Plan .....	3
Forming a Question .....	4
Designing an Investigation .....	5
Collecting Observational Data .....	6
Showing Data Clearly .....	7
Explaining Results .....	8
Thoughts About Next Time .....	9
Resources Used .....	9
Tips on Making Your Display .....	10
Tips on Presenting to Your Audience .....	10
Tips for a Possible Timetable .....	11
Science Buddies .....	12

# MAKING A PLAN

I am interested in...(what?)

Because...(why?)

So, I decided I would investigate by...(how?)

# FORMING A QUESTION

I learned more about my subject by...

I found out that...

That made me wonder about...

So the main question I want to explore with my investigation is...

# DESIGNING AN INVESTIGATION

I decided to find (or show) the answer to my question by...

I used...

This is what I did, step by step....

# COLLECTING OBSERVATIONAL DATA

I noticed/observed/counted/measured...



# SHOWING DATA CLEARLY

I showed/summarized my results...

# EXPLAINING RESULTS

When I compared what I actually found out to what I thought I might find out, I came to the conclusion that...

# THOUGHTS ABOUT NEXT TIME

Doing this investigation started me wondering...

So now I'd like to know more about...

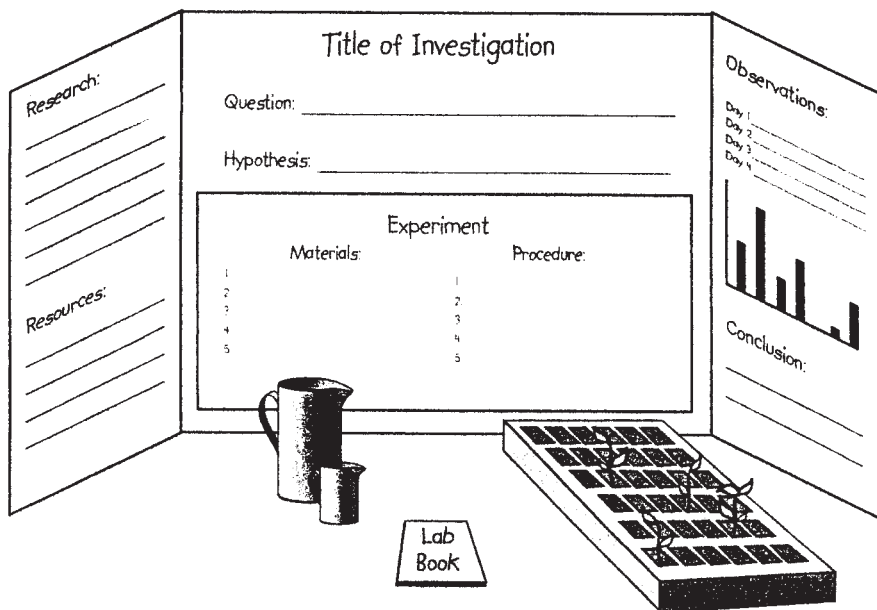
If I had it to do over again, what I would do differently is...

# BIBLIOGRAPHY/RESOURCES USED

The most important resources and references I used are...

# TIPS ON MAKING YOUR DISPLAY

You might use your display board to do something like this. Make your display fit you and fit your investigation — and include your lab notebook.



# TIPS ON PRESENTING TO YOUR AUDIENCE

As you prepare your display and presentation, remember that you will be using them to address an audience. They are methods of communication. To communicate well, think about what will assist your audience in understanding your investigation. Family, friends, teachers, schoolmates, judges, and others will be wanting to understand what you did, and why, and what you found out. In the real world of scientific investigation, other scientists would want to be able to repeat your investigation to see if their results agreed with yours. So be clear—and include your Lab Notebook.

---

Questions? Contact Kara Stone at [khsemail@gmail.com](mailto:khsemail@gmail.com).

# TIPS FOR A PROJECT TIMETABLE

<u>Task</u>	<u>Completion Date</u>
Choose a topic that interests you	_____
Do some background research, get advice.	_____
Form a question or hypothesis to investigate.	_____
List your material and equipment needs.	_____
Gather your material and equipment, etc.	_____
Conduct the investigation, collect data.	_____
Organize your findings usefully.	_____
Draw conclusions from your results.	_____
Complete your Scientific Investigation Lab Book.	_____
Complete your Science Fair display.	_____
Present your project to your class.	_____
Present your whole project at the Fair.	<b>MARCH 17</b>

# SCIENCE BUDDIES

Science Buddies will interview you, hear your presentation, view your display, and tell you their reaction to your project. They will, of course, pay attention to your grade level, and will pay special attention to the following questions:

- Is your **topic** suited to your knowledge and interests?
- Is your **purpose** clear?
- Is your **investigation** logical and orderly?
- Is your **presentation** clear and thoughtful?
- Is your **display** well-developed and suitable to the investigation?
- Is your **laboratory notebook** completed and displayed?

Finally, they will tell you...

- what they think might make your project even better:
- and what they especially like about your project:

We hope your Science Fair is fun and exciting—and we hope you learn a lot, too. We want to understand what you did, and why, and what you found out, when you applied simple methods of scientific investigation to your topic.

# FINDING AN IDEA

Ideas for projects are all around you. Sometimes the best ones come from questions you've already wondered about, like:

Why is the sky blue?

What do earthworms eat?

Will more air inside a ball make it bounce higher?

If the earth is spinning so fast, why can't we feel it spinning?

Remember to do your project about something that interests you. Talk your ideas over with your family, friends and teachers to come up with something fun and exciting. Feel free to get any help available from adults. The goal is to learn and have fun!

The library has lots of books that can help you come up with a project idea, and your teacher may have great materials in your classroom. If you have access to the Internet, there are many sites to choose from. Here's a quick sample:

<http://sciencefairproject.virtualave.net>

[www.billnye.com](http://www.billnye.com)

[www.sciencenewsforstudents.org](http://www.sciencenewsforstudents.org)

[www.ipl.org/div/projectguide/](http://www.ipl.org/div/projectguide/)

<http://school.discoveryeducation.com/sciencefaircentral/>

<http://www.untamedscience.com/>

Many more are available by search through Google, for example, by entering "kids science fair project ideas."

# SCIENCE FAIR ENTRY FORM (Grades K-2)

## Due Friday, March 9, 2018

Deposit into the "SCIENCE FAIR BOX" in the Main Office

P L E A S E   P R I N T   A L L   I N F O R M A T I O N

LAST NAME: \_\_\_\_\_

FIRST NAME: \_\_\_\_\_

(IF 2 STUDENTS WORK JOINTLY ON A PROJECT, USE ONLY 1 FORM)

2ND PERSON LAST NAME: \_\_\_\_\_

2ND PERSON FIRST NAME: \_\_\_\_\_

Grade: \_\_\_\_\_ Teacher: \_\_\_\_\_

Project Title: \_\_\_\_\_

Pick up free board in the main office when you turn in this form.

Special setup needs (if any): \_\_\_\_\_

Electrical outlet needed? \_\_\_\_\_

"I have read the Science Fair Guidelines and agree to follow them."

\_\_\_\_\_  
(Student Signature)

"My child has permission to enter the Ainsworth Science Fair."  
**Parents:** please check legibility and accuracy on this entry form.

\_\_\_\_\_  
(Parent Signature)

Detach Entry Form Here