

4-H Science Exhibits



What is a Science Exhibit



- Similar to a science project
- Select a topic, design an exhibit and give short presentation about topic
- Answer questions about your topic
- Contest is for 4-H'ers in grades 6-8

Rules

- Must use a board that stands on its own or a science board
- Items may be displayed on the table
- No live animals, knives or firearms may be used

Rules

- Explain your exhibit in 1-2 minutes
- Must be able to answer questions about your exhibit
- May be a general information exhibit or a science project

Select Your Topic



- Pick a topic that you like or know about
- You should feel comfortable talking about your topic and be able to answer questions about your topic
- Try to select a specific topic, for example if your exhibit is about basketball try to focus just on the rules or history

Design Your Exhibit



- Exhibit will be a table top exhibit or a science project
- Must include a title and information about your topic
- Can also include items such as pictures, graphs, charts, etc.

- Information may be printed on the computer
- However DO NOT simply print information from a website and glue onto your exhibit!

Be Creative!

- Items that relate to your topic, may be displayed on the table
- You can use any color science board that you want
- Make sure your exhibit is neatly done and all words are spelled correctly

Exhibit Categories

- Must relate to one of the following science areas:



- Plant
- Large Animal
- Small Animal
- Health
- Consumer
- Environmental
- Engineering
- Human



Exhibit Contest



- Will be judged on the county level
- Three finalists will be selected in each science area
- Finalists will compete in sub-region contest
- Contest will be at your next club meeting

Judging – Exhibitor

- Appearance – good posture, eye contact
- Voice – pleasing, clear, correct English
- Explanation – main points clearly stated, well organized and good information
- Practical Questions – able to answer accurately

Judging – Exhibit

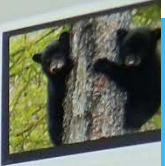
- General Appearance – artistic, original idea, neat, well balanced, easy to read
- Message Told – tells story simply, clearly and concisely, important items shown equally

Things to Remember

- Select a topic you know about
- Design and create your board
- Explain your exhibit
- Be able to answer questions
- Have fun!



HOW A BLACK BEAR CUB GROWS



BIRTH



- Mother hibernating
- Cubs are born during the winter
- They are born in a den
- Stay alive by using mother's body heat
- Food is mother bear's milk

4 MONTHS- 16 MONTHS



- Come out of den in April
- Cubs see outside the den for the first time
- Mother teaches them how to survive and what to eat
- They all go back in den in December
- December - March: Cubs hibernate with mother bear

Weight Gain

Age	Weight
Birth	6-12 oz.
1 Month	16-24 oz.
4 Months	32-48 oz.
2.5 Years	300 lb.
Male Adults	200-600 lb.
Female Adults	100-300 lb.

- ### Taught By Mother
- How to Climb
 - How to Swim
 - How to Hunt
 - What to Eat
 - How to Fight

- ### Food
- | | |
|----------|---------------|
| Buds | Hard Mast |
| Cannon | Spiders |
| Crayfish | Insects |
| Fish | Large Mammals |
| Forbs | Small Mammals |
| Fungi | Seeds |
| Grain | Soft Mast |
| Grass | Tubers |



Four clear plastic containers filled with different types of food items, including nuts and seeds. A small card labeled 'Soft Mast (blackberries)' is placed in front of the containers. A larger card with a picture of a bear eating is also visible.

GOT MILK?



Popular Breeds of Dairy Goats:

(Lift the Flaps to learn about each breed)



"Udderly" Delightful Products



A collection of goat-related products and items on a red and white checkered tablecloth. It includes a carton of goat milk, a tube of cream, a jar of lotion, a stuffed goat toy, a plate of cheese and crackers, and a small container of ice cream.

