

# Veterinary Science

## 4-H Project Newsletter

*This Vet Science Project Newsletter contains information specific to the VET SCIENCE Project. Please use it in conjunction with the General 4-H Information Bulletin, so that you are aware of Achievement Day completion requirements as well as general opportunities and information pertaining to all 4-H members. This Project Newsletter, as well as the General 4-H Information Bulletin, will be updated in December of each year, if necessary, based on changes made at the 4-H Nova Scotia Annual General Meeting.*

Welcome to the 4-H Veterinary Science Project! Whether you are new to the project or a bit more experienced, the Veterinary Science project has lots to offer and provides a great opportunity to learn about animal health and veterinary medicine. This newsletter will give you an overview of the Veterinary Science project, answer some of your questions concerning expectations of the project, and provide you with project ideas and some resources. Project newsletters are an excellent reference to keep on hand to refer to throughout the year. Enjoy your year in the Veterinary Science project and when working on your project, remember to "Learn to do by Doing." If you have any questions, please contact your Regional Agriculture Leadership Coordinator (ALC).

### **VETERINARY SCIENCE 4-H PROJECT WORK REQUIREMENTS**

On Achievement Day, Veterinary Science members will be required to display three (3) projects. Vet Science members DO NOT judge.

### **4-H NOVA SCOTIA PROVINCIAL SHOW CLASS & SECTIONS:**

Each county is eligible to send the top two junior and top two senior articles to the 4-H Nova Scotia Provincial Show. The sections are as follows:

#### **CLASS 16: VETERINARY SCIENCE**

<b>Section 1:</b>	Reports - Write-ups on tours, activities, etc., completed by members
<b>Section 2:</b>	Research projects - Research report on a specific topic or system
<b>Section 3:</b>	Posters - Photo stories, information on some aspect of Veterinary Science
<b>Section 4:</b>	Display - Models and or posters which include additional items
<b>Section 5:</b>	Specialty Item - Any item that will not fit in the other sections

***Suggestion:** Reports should be a minimum of 1 page in length (approx. 250 words) and should include diagrams and/or photos where possible.*

## LEADER RESOURCES

Please ask your Regional ALC for the Veterinary Science Project Leader's Manual, which includes information on the following:

Nervous System	Digestive System	Bio-security
Muscles	Respiratory System	Toxicology
Bones	Teeth	Body Conditioning
Antlers, Horns, Hooves	Circulatory System	
Reproductive System	Genetics	

**NOTE:** When choosing topics to investigate, try not to be too broad. Almost anything goes - so be creative! If you need ideas, you may want to visit your local veterinarian to get help. This is a very flexible project, with lots of room for creativity and innovation; if you have an idea, discuss it with your leader and go for it!

### *Topic Suggestions*

- Operation/special procedure observed at a veterinary clinic (i.e. Caesarean section, twisted stomach, spade or neutering etc.)
- Meat inspection at an inspected abattoir
- Anatomy model of a specific animal
- Diary of farm calls done with a Veterinarian for a day
- Care and feeding of a specific newborn animal
- How environmental conditions affect the health of an animal
- Study a disease of an animal
- Nutrients and minerals and their role in the animal of your choice

**NOTE:** All reports, posters or displays must include a bibliography for information taken from a source other than the 4-H member. For example, should a member utilize information or pictures from a reference book or from the internet, then the member must include credit for the source of the information.

**NOTE:** 4-H members must complete their project at achievement day in order to compete in, or to participate in, any further county, provincial, or national 4-H competitions relating to that project in the current 4-H year. (i.e., judging, project competitions, etc.)

**NOTE:** Live animals are not to be used for display at 4-H Achievement Days, Exhibitions, or 4-H Nova Scotia Provincial show in the Veterinary Science project. Reports, displays, posters or demonstrations are acceptable methods of displaying projects about live animals.

**NOTE:** If members require video/slide equipment to display their project, specialty item or project activity, they must provide their own equipment at achievement day, exhibition and 4-H show.