

Working Portfolio Project  
Honors Animal Science II Small Animal

In this semester long project, you will create a working portfolio online that will demonstrate your mastery of the concepts taught in Animal Science II Small Animal. The project will be divided into five parts, each due at a specific time during the year. Each component of the working portfolio will incorporate skills, techniques, management, and materials learned in class. Completion of the working portfolio project demonstrates understanding and mastery of learning objectives.

Working Portfolio Project	Due Date	Grade Received	Teacher Initials
Part B Objective 3.01: Small Animal Care Industry Career Profile	_____	_____	_____
Part B Objective 3.02 Medical Terminology Student Study Guide	_____	_____	_____
Part C Objective 5.01 Anatomy and Physiology of Small Animal Body Systems	_____	_____	_____
Part C Objective 5.02 Parasite Identification Profiles	_____	_____	_____
Part D Objectives 7-10 Breed Identification Profiles	_____	_____	_____
Completed Working Portfolio	_____	_____	_____



# AA23 Animal Science II

## Unit B Objective 3.01 Small Animal Care Industry

### Honors Portfolio Assignment: Small Animal Care Industry Career Profile

#### Student Instructions:

- Students will research a career in the small animal care industry assigned by the teacher.
- Students will design and create a career profile electronically online via google classroom or canvas.
- The student must provide a list of resources for the profile and **MAY NOT COPY AND PASTE** directly from the website (plagiarism). Students must cite source when unable to put the information in their own words.
- Facts and data may be obtained from any reputable source (*Wikipedia is not a reputable source*).
- Student will present information on career using a video or power point presentation to the class.

#### ***Honors Small Animal Career Profile Requirements:***

- I. Student will be assigned a small animal career.
- II. Profile page design must be well organized, eye-catching and reader friendly.
- III. Career Title must be in larger print as it is the focal point of the career profile.
- IV. Education requirements: Student will list all educational requirements for the assigned small animal career. Requirements may vary from some high school to college. **No Educational requirements is not an option.** Educational requirements may also include specialized training, experience, or certifications.
- V. Skill requirements: Student will list and describe all needed or required skills for the assigned small animal career. Skills will need to include both soft skills (job skills sometimes overlooked, but are vital to employers) and hard skills.
- VI. Salary: Students will include the salary range for the assigned small animal career.
- VII. Pictures: Students will include three pictures of someone working in the assigned small animal career. Pictures may not take up more than 30% or 1/3 of the career profile page.
- VIII. 1 Page limit: Students will not have more than 1 page for the small animal career profile.
- IX. Student will include a reference page for the information used in the small animal career profile.
- X. Student will present information and research gathered on the assigned small animal career.

*a.*



<i>Agriculture Education Teacher</i>	<i>Embryologist</i>	<i>Ornithologist</i>
<i>Anatomist</i>	<i>Entomologists</i>	<i>Parasitologist</i>
<i>Animal Breeder</i>	<i>Embryologist</i>	<i>Pet Groomer</i>
<i>Animal Caretaker</i>	<i>Entomologist</i>	<i>Pharmacologist</i>
<i>Animal Handler</i>	<i>Gaming Dog Business</i>	<i>Physiologist</i>
<i>Animal Husbandry technician</i>	<i>Geneticist</i>	<i>Primatologist</i>
<i>Animal Psychology</i>	<i>Herpetologist</i>	<i>Public Health Microbiologist</i>
<i>Animal Technician</i>	<i>Histopathologist</i>	<i>Toxicologist</i>
<i>Animal Technician</i>	<i>Ichthyology</i>	<i>Veterinary Technician</i>
<i>Animal Technician</i>	<i>Ichthyologist</i>	<i>Veterinary Assistant</i>
<i>Animal Trainer</i>	<i>Immunologist</i>	<i>Wildlife Biologist</i>
<i>Aquarist</i>	<i>Laboratory Animal Technician</i>	<i>Zoo Curator</i>
<i>Aquarium Curator</i>	<i>Laboratory Animal Technologist</i>	<i>Zoo Director</i>
<i>Aquatic Biologist</i>	<i>Limnologist</i>	<i>Zoo Keeper</i>
<i>Biochemist</i>	<i>Mammalogists</i>	<i>Zoologist</i>
<i>Biological Technician</i>	<i>Marine Biologist</i>	<i>Small Animal Trainer</i>
<i>Biologist</i>	<i>Microbiologists</i>	<i>Animal Rehabilitator</i>
<i>Biophysicist</i>	<i>Mycologist</i>	<i>Service Animal Trainer</i>
<i>Botanist</i>	<i>Naturalist</i>	<i>Animal Control Officer</i>
<i>Cetologist</i>	<i>Nutritionist</i>	<i>Pet Store Owner</i>
<i>Doctors of Veterinary Medicine</i>	<i>Microbiologist</i>	<i>Pet Store Worker</i>
<i>Ecologist</i>	<i>Mycologist</i>	<i>Pet Sitter</i>
		<i>Pet Adoption Counselor</i>

*Animal Cruelty Investigator*      *Movie Animal Trainer*

*Veterinary Radiologist*      *Pet Portrait Artist*

*Animal Acupuncturist*      *Pet Writer*

*Veterinary Ophthalmologist*      *Animal Behaviorist*

*Veterinary Dentist*      *Doggy Daycare*  
*Owner/Attendant*

*Veterinary Epidemiologist*

*Animal Shelter Manager*

*Kennel Attendant*

*Veterinary Assistant*

*Kennel Manager*

*K-9 Police Officer*

*Service Dog Trainer*

*Pet Bakery Owner*

*Veterinary Pharmacist*

*Animal Health Inspector*

*Animal Chiropractor*

*Pet Product Sales*  
*Representative*

*Pet Food Sales*  
*Representative*

*Pet Insurance Agent*

*Fish and Game Warden*

*Primatologist*

*Animal Lawyer*

*Animal Photographer*

## Grading Rubric for Portfolio Project

### Part B: Small Animal Care Industry Career Profile

Name	Exemplary (4pts)	Good (3pts)	Satisfactory (2pts)	Lacking (1 pts)	Missing/Not Included (0pts)
Date					
1. Career is related to small animal care industry. Research is accurate and authentic.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
2. Profile is available online.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
3. Stage Presence: Student is dressed to give presentation, demonstrates public speaking skills, limited nervous habits, good voice projection.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
4. Delivery: Student delivers speech within time	Work shows extensive research	Work shows adequate	Requirements are met.	Certain requirements are	All requirements missing.

<p>limit allocated, correct voice projection, elaborates main points (introduction, body, and conclusion</p>	<p>and a deep understanding of the specific field of interest.</p>	<p>research and a basic understanding of the specific field of interest.</p>		<p>missing or unsatisfactory.</p>	
<p>5. Student career profile is organized, eye-appealing, includes pictures and required content.</p>	<p>Work shows extensive research and a deep understanding of the specific field of interest.</p>	<p>Work shows adequate research and a basic understanding of the specific field of interest.</p>	<p>Requirements are met.</p>	<p>Certain requirements are missing or unsatisfactory.</p>	<p>All requirements missing.</p>
<p>Total Pts</p>	<p>pts /20pts</p>	<p>pts</p>	<p>Final Grade</p>	<p>pts</p>	<p>pts</p>



# AA23 Animal Science II Small Animal Unit B: Objective 3.02 Veterinary Terminology Honors Portfolio: Medical Terminology Student Study Guide

Directions: Student will design and create a veterinary medical terminology study guide using the terminology list provided by the teacher. Students will submit the study guide online via google classroom or canvas. Student study guides must meet the following guidelines:

- Medical term
- Pronunciation of term
- Definition of term
- Picture/illustration of term
- 3 examples of term use with definitions
- Study guide must be user friendly, eye-appealing, and easy to understand
- Examples may include:
  - Board games
  - Computer powerpoint game
  - Computer study-site: study blue, quizlet, etc.
  - Illustrated study guide on paper in a portfolio.
  - Other suggestions at teacher discretion.

\_\_\_\_\_  
Name

\_\_\_\_\_  
Date



## Medical Terminology List

Cranial	Lateral
Caudal	Hepat
Dorsal	Hyster/o
Ventral	Erythr/o
Plantar	Ectomy
Palmar	Otomy
Proximal	Ostomy
Distal	Mast
Amphibian	Buccal
Avian	Rhin/o
Canine	Dermat/o
Feline	Ven/o
Cardi/o	Phleb
Arthr/o	-Ology
Cutane/o	-Itis
Enter/o	-Plegia
Gastr/o	-Malacia
Oto	Cyst
Ophthalm	-Oma
Oste/o	Hema-



**Grading Rubric for Portfolio Project**

**Part B: Medical Terminology Student Study Guide**

Name	Exemplary (4pts)	Good (3pts)	Satisfactory (2pts)	Lacking (1 pts)	Missing/Not Included (0pts)
Date					
1. Study Guide is organized.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
2. Study guide is eye-appealing and easy to follow.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
3. Pronunciation of term and definition are accurate.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
4. Picture or illustration of medical term is present indicating understanding.	Work shows extensive research and a deep understanding of	Work shows adequate research and a basic	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.

	the specific field of interest.	understanding of the specific field of interest.				
5. Required examples of term usage with definition are present.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.	
	pts	pts	pts	pts	pts	pts
Total Pts	/20pts		Final Grade			

Name \_\_\_\_\_

Date \_\_\_\_\_

**AA23 Animal Science II Small Animal**  
**Unit C: Objective 5.01 Anatomy and Physiology of**  
**Small Animal Body Systems**  
**Honors Portfolio: Body Systems Information Sheet**

*Directions: Student will create and design a study guide for the major body systems in small animals. Students will submit the study guide online via google classroom or canvas. Requirements for honors assignment are as follows:*

- Student will include one of the following body systems in their study guide:
  1. Skeletal System
  2. Digestive System
  3. Circulatory System
  4. Respiratory System
  5. Endocrine System
  6. Renal System
  7. Reproductive System
  8. Sensory System
- For each system the student will provide the anatomy (description of structure) and physiology (what each structure does/function) for each system and its components/structures.
- Student will provide and label a picture of the system and each component/structure that makes up the body systems.
- Student will utilize organizational skills in the design of the study guide ensuring that it is user friendly, eye-appealing, and complete.
- Teacher will provide a list of all required body systems and structures.
- Reference books/materials will be available upon student request.





## Body Systems and Required Terms

### Respiratory System

Larynx  
Pharynx  
Glottis  
Epiglottis  
Trachea  
Bronchi  
Bronchioles  
Alveoli  
Lungs  
Pleura  
Pleural cavity  
Inspiration  
Expiration  
Asthma  
Pneumonia

### Male Reproductive System

Penis  
Prepuce  
Scrotum  
Testicles  
Sperm  
Sperm  
Seminiferous vesicles  
Epididymis  
Semen  
Cowper's gland  
Prostate gland  
Urethra  
Glans penis  
Bulbourethral gland  
Testosterone

### Circulatory System

Serum  
Erythrocyte  
Leukocyte  
Hemoglobin  
Neutrophil  
Lymphocyte  
Eosinophil  
Monocyte  
Basophil  
Platelet  
Thrombocyte  
Heart  
Artery  
Aorta  
Vein



## Body Systems and Required Terms

<u>Female Reproductive System</u>	<u>Skeletal system</u>	<u>Non-Ruminant Digestive</u>
Vulva	Bone	Mouth
Vagina	Bone marrow	Tongue
Urethra	Suture	Teeth
Cervix	Growth plate	Esophagus
Uterus	Skull	Stomach
Uterine horns	Mandible	Duodenum
Oviduct	Maxilla	Jejunum
Ovary	Spinal column	Ileum
Oviduct	Vertebrae	Cecum
Infundibulum	Rib	Small Intestine
Albumen	Sternum	Large Intestine
Isthmus	Humerus	Anus
Ovum	Radius	Liver
Follicles	Ulna	Gall bladder
Cloaca	Patella	Pancreas
Estrogen	Femur	Colon
Progesterone	Tibia	Crop
Luteinizing hormone	Fibula	Gizzard
Embryo	Dewclaw	Proventriculus
Fetus	Pelvis	Vent
Estrus		Beak



## Body Systems and Required Terms

### Endocrine System

Pituitary  
Thyroid  
Parathyroid  
Adrenal  
Thymus  
Pancreas  
Pineal  
Gonads  
Enzyme  
Chemical  
Hormone  
Steroid  
Thyroxine  
Fatty Acid  
Prolactin  
Gestation  
Excrete  
Homeostasis  
Polyuria  
T3

### Sensory System

Eye  
Ear  
Hearing  
Reflex  
Cones  
Cornea  
Iris  
Pinna  
Pupil  
rods  
Retina  
Sclera  
Vestibule  
Oval Window  
Anterior Chamber  
Dilate  
Constrict  
Equilibrium  
Posterior Chamber  
Auditory Ossicle



## Grading Rubric for Portfolio Project

### Part C: Body Systems Identification Sheet

Name	Exemplary (4pts)	Good (3pts)	Satisfactory (2pts)	Lacking (1 pts)	Missing/Not Included (0pts)
Date					
1. Study Guide is organized.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
2. Identification sheet is eye-appealing and easy to follow.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
3. Anatomy and physiology are descriptive and accurate.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
4. Student has provided a labeled picture of the body system and its structures.	Work shows extensive research and a deep understanding of	Work shows adequate research and a basic	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.

	the specific field of interest.	understanding of the specific field of interest.			
5. All body system components are present.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
	pts /20pts	pts	pts	pts	pts
Total Pts			Final Grade		



**AA23 Animal Science II Small Animal  
Unit C Objective 5.02 Parasite and Disease Prevention  
Honors Portfolio: Parasite Identification Profiles**

*Directions: Students will complete the Animal Science II Small Animal Parasite Identification Sheets for the assigned parasites.*

**Requirements:**

1. Student will completely fill out the parasite identification sheets leaving no item blank.
2. Student provide pictures in the spaces provided for parasite pictures. Many of the parasites have an egg, larva, and adult stage and pictures should be represented accordingly.
3. Student will submit all parasite identification sheets online via google classroom or canvas by the assigned due date.
4. Reference material is available upon student request.
5. Student may produce finished product in a different form with prior teacher approval, examples may include student created website, google site, etc.

**Parasite Identification List**

Blowfly	Flea Tapeworm	Lice-sucking	Tania Tapeworm
Cat Warble	Giardia	Liver fluke	American Dog Tick
Cocci	Heartworm Adult	Mosquito Adult	Black leg Deer Tick
Coccidia	Heartworm Microfilaria	Mosquito Larva	Whipworm
Demodectic	Hookworm Adult	Red Blood Cells	Whipworm Egg
Ear Mite	Hookworm Egg	Roundworm Adult	Yeast
Eosinophil	Horse Bots	Roundworm Egg	
Flea	Horse Strongyles	Sarcoptic Mite	



Flea Larva

Lice-Biting

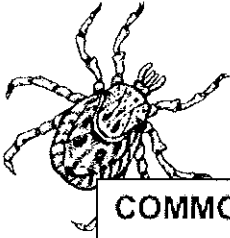
Tania Tapeworm



Name \_\_\_\_\_

Date \_\_\_\_\_

**Vet Science/ Animal Science II Parasite  
Identification Sheet**



**COMMON NAME:**

**PARASITE TYPE:**

INTERNAL    EXTERNAL

ASCARID    ARACHNID

INSECT                  FUNGUS

PROTOZOA

**HOST ANIMAL(S):**

**INTERMEDIATE HOST:**

**DISEASES/INFECTIONS/  
CONDITIONS CAUSED BY  
PARASITE:**

INSERT 1ST PICTURE HERE

**PARASITE ID TRICKS**

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.

**DON'T CONFUSE WITH:**

**DIFFERENCES:**

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INSERT 2ND PICTURE HERE



## Grading Rubric for Portfolio Project

### Part C: Parasite Identification Profiles

Name	Exemplary (4pts)	Good (3pts)	Satisfactory (2pts)	Lacking (1 pts)	Missing/Not Included (0pts)
Date					
1. Parasite identification sheet is complete.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
2. Identification sheet is eye-appealing and easy to follow.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
3. All parasite life stages are identified.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
4. Required parasite pictures are present and accurate.	Work shows extensive research and a deep understanding of	Work shows adequate research and a basic	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.

	the specific field of interest.	understanding of the specific field of interest.			
5. Parasite identification sheets are turned in or submitted online by due date.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
	pts /20pts	pts	pts	pts	pts
Total Pts			Final Grade		



*AA23 Animal Science II Small Animal*  
*Unit D: Objectives 7-10 Small Animal Breeds*  
**Honors Portfolio: Breed Identification Sheets**

*Directions: Students will complete the Animal Science II Small Animal Breed Identification Sheets for the assigned small animal breeds.*

***Requirements:***

1. Student will completely fill out the small animal breed identification sheets leaving no item blank.
2. Student provide pictures in the spaces provided for breed pictures.
3. Student will submit all small animal breed identification sheets online via google classroom or canvas by the assigned due date.
4. Reference material is available upon student request.





Name: \_\_\_\_\_  
 \_\_\_\_\_ Week: \_\_\_\_\_

Date: \_\_\_\_\_



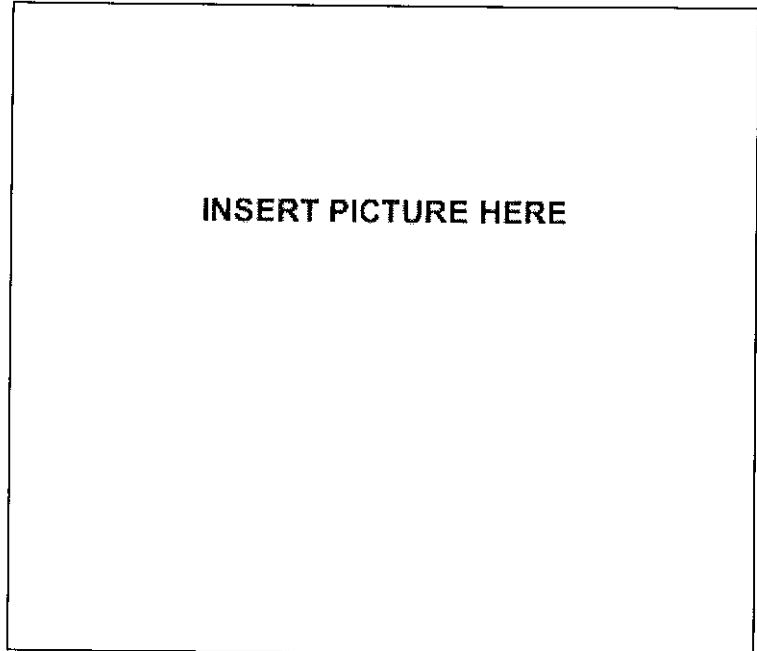
**ANIMAL SCIENCE II: BREED IDENTIFICATION SHEET**

**SPECIES:**  
 Amphibian    Avian            Canine  
 Cavy            Lagamorph    Feline  
 Reptile        Rodent

Putorius Furo                    Erinaceus  
 Petaurus breviceps

**COMMON NAME:**

**SEX TERMINOLOGY:**  
 Intact mature female:  
  
 Intact mature male:  
  
 Immature female:  
  
 Immature male:  
  
 Altered male:  
 Parturition:



**GESTATION PERIOD:**  
**ORIGIN:**

**BREED CHARACTERISTICS**

**COAT:** Long/Medium/Short

**Color Variations/Textures:**  
 \_\_\_\_\_

**Ears:** Erect/Cropped/Lopped    **Length:** Short/Long

**Size:** Toy/ Dwarf    Miniature/Small            Medium/Average    Large/Giant

**Usefulness:** Companionship    Non-sporting    Sporting    Hounds: Sight/Scent    Working

**Breed Identification Tricks:**

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.



## Grading Rubric for Portfolio Project

### Part D: Breed Identification Profiles

Name	Exemplary (4pts)	Good (3pts)	Satisfactory (2pts)	Lacking (1 pts)	Missing/Not Included (0pts)
Date					
1. Breed identification sheets are complete with no items left blank.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
2. Identification sheet is eye-appealing and easy to follow.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
3. All required breed identification sheets are submitted online by the designated due date.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
4. Required breed identification pictures are present and accurate.	Work shows extensive research and a deep understanding of	Work shows adequate research and a basic	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.

	the specific field of interest.	understanding of the specific field of interest.			
5. Breed identification sheets are properly labeled with name, date, student name, and class/block.	Work shows extensive research and a deep understanding of the specific field of interest.	Work shows adequate research and a basic understanding of the specific field of interest.	Requirements are met.	Certain requirements are missing or unsatisfactory.	All requirements missing.
Total Pts	pts /20pts	pts	Final Grade	pts	pts