

# *Small Animal Care & Grooming*

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Each student is assigned a pet in the animal lab area. They will do routine care and health checks as well as teach the class the standard that covers that animal. They will have a presentation/lecture with photos and video clips then give a formative assessment. Guidelines given:

- Origin
- Breeds
- Feeding
- Reproduction, maturity, gestation, weaning
- Housing
- Cost to own
- Special Attributes
- Exercise and attention requirements
- Diseases, disorders, other health issues
- Things to consider before attaining as a pet

Create assessment that you would prefer as a student

Each student will participate in grooming dogs for the public. Skills attained include proper bathing, selecting shampoo and appropriate drying, styling, brushing, detangle. Students will learn to cut hair using appropriate blades. Students will also learn customer service skills including talking to the customer to determine services needed, documenting cage card and checking rabies vacc, call clients when services are complete, and talking to clients about satisfaction of groom and any issues such as fleas, dermatitis, abnormalities, ear issues, etc. Students learn to provided added services such as assisting to the car, show compassion for the pets, and reassure clients the pet is getting ultimate care and attention.

## Grooming Supplies at SCHS

### Purchases from Petedge

Andis Ultraedge blades in the following sizes:

4FC, 5FC, 7FC, 10, 40 - \$16.50

Andis Pulse Ion cordless with adjustable blade — \$119.95 extra blade 39.99

Andis Ultraedge clippers \$151.95

\*\* Petedge has a special on AGRV clippers until 7/21 for \$99

Shears — 8"straight, 7.5" curved, 40 tooth thinner. Brands do matter! I like Geib  
5 piece Dematting tool kit — 21.99

Assorted slicker brushes and 2 sided brushes

Combs

Nail trimmers — several sizes. We have Dreme\ but not used much

Top Performance brand Shampoo. We use: Gallons vary from \$28-\$34 (75 dogs/gallon)

Fresh Pet, Sea Breeze, Shed Patrol, and Oatmeal

Conditioner — Shed Patrol

Fursions finishing spray — CK One

Grooming Jackets - \$18.95

Grooming Table (big and electric) - \$499

Smaller non-adjustable groom table - \$104

Variable Speed high velocity blower - \$179

Cage Dryer — Double K Challenge Air - \$409 has adjustable heat and air flow

Kennels Vary in price

Top Performance Dental Spray, Pro Eye Wipes, and Ear Wipes

Top Performance liquid bandage

Hemostats, extra collars and leashes

NOT PETEDGE: Donated towels, wash cloths, disinfectant spray, premises flea spray(Knockout)

## Common Grooming Tips

Clients sign waiver

Never allow dogs to come in contact with another

Use cage cards to document services for the animal

Make sure to have phone number of owner

Use 7FC on most "Pet Cuts"

Use 10 on sanitary area

Use 40 on foot pads

Arm pits and curve of flank are most likely places to cut the dog.

Watch videos on Youtube

Visit a groomer – Might try someone away from your area!

Notes from the Grooming Table is a great book

Sample Cage Card for dogs to be groomed – use 4x6 notecard and hand write. B bath T trim(standard) N Nails

No skirt/trim face short

**Dusty**

B/T/N

Sandy Jones  
615-999-5555

Animal and Vet Science Classes Safety Exam

Name

\_\_\_\_\_

Date

\_\_\_\_\_

I understand that all animals in the Stewarts Creek High School Agriculture classes are capable of biting, kicking, or scratching and accept full responsibility in these cases.

I understand the inherent risks associated with participation in Small Animal Care and the possible injuries that can be sustained by participants. I knowingly and voluntarily assume these risks and full responsibility for any personal injury or illness that may be sustained by me, as a result of or in any way arising out of, my participation in this class.

I acknowledge that I am solely responsible for medical or other costs arising out of any bodily injury or illness from Large Animal Care class.

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Student Signature

Parent Signature



**RELEASE AND WAIVER OF LIABILITY**

I, the undersigned, in consideration of \_\_\_\_\_ (“Services and/or Products” ) provided to me by \_\_\_\_\_, do hereby release, forever discharge and hold harmless Rutherford County, Tennessee, its employees, elected officials, officers, agents, and independent contractors and the Rutherford County Board of Education, its employees, elected officials, officers, agents, independent contracts and students from any and all liability, claims and demands of any kind or nature including, but not limited to, personal injury and property damage or other occurrence which may arise out of the Services and/or Products.

I acknowledge and understand that the Services and/or Products are provided by students who may not possess the same degree of experience or training as a person fully employed to provide similar Products and/or Services.

I recognize that there may be risks and hazards directly or indirectly involved in the purchase, acquisition, use and consumption of the Services and/or Products. With full knowledge of the facts and circumstances surrounding the Services and/or Products, I voluntarily agree to assume all the risks and hazards involved in the purchase, acquisition, use and consumption of said Services and/or Products, including but not limited to, all risks of personal injury, property damage or injury to others.

I further recognize and agree that the Services and/or Products are provided “AS IS” with no warranties whatsoever.

In the event any portion of this Agreement is found to be invalid, such a finding shall not affect the validity of the remaining provisions of this Agreement which shall remain in full force and effect.

I have read this entire Agreement; I fully understand it and I agree to be legally bound by it.

EXECUTED this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Cell # \_\_\_\_\_

# Dog Grooming

|    | A           | B               | C            | D           | E              |
|----|-------------|-----------------|--------------|-------------|----------------|
|    | <u>DATE</u> | <u>Pet Name</u> | <u>Owner</u> | <u>\$\$</u> | <u>Comment</u> |
| 1  |             |                 |              |             |                |
| 2  |             |                 |              |             |                |
| 3  |             |                 |              |             |                |
| 4  |             |                 |              |             |                |
| 5  |             |                 |              |             |                |
| 6  |             |                 |              |             |                |
| 7  |             |                 |              |             |                |
| 8  |             |                 |              |             |                |
| 9  |             |                 |              |             |                |
| 10 |             |                 |              |             |                |
| 11 |             |                 |              |             |                |
| 12 |             |                 |              |             |                |
| 13 |             |                 |              |             |                |
| 14 |             |                 |              |             |                |
| 15 |             |                 |              |             |                |

## Canine Ration Unit

**Task:** Determine caloric needs for your pet, the calories in the chosen food, and how much to feed daily.

**Helpful tip:** Dog foods do not list carbohydrates so the percentage included must be calculated.

**Benefits from this packet:** This packet explains how to determine the quality of a dog food and explains how to calculate the calories in the ration. In addition it has a chart to determine caloric needs for different stages/work in life.

**Includes:** I have included 2 exams for this unit.

1. Please list the organs of the Dog Alimentary canal from beginning to end
2. Calculate the needed calories/day for a 35lb light activity dog
3. Using these calorie requirements and the Dog Food #2, how many pounds should the dog consume?
4. Dog food ingredient lists are beneficial in selecting the best food for your animal. What are three things a pet owner should know about reading the label and choosing a food?
5. My dog has been eating the same food for 5 years. Yesterday, he vomited 3 times and has stopped eating. What may have caused this? What should I do? (I don't want to consult a vet yet)



## Canine Digestion and Feeding Exam

Name \_\_\_\_\_

1. Outline the organs of the alimentary canal in a dog.
2. What are 2 ways a dog owner can keep their dog from getting overweight?
3. Discuss how to read a pet food label. What recommendations would you give a person who knows nothing about selecting a food for his dog? (3)
4. Using the reading materials provided, how many calories does a 45lb, moderate work dog need each day?
5. The article attached explains how to calculate carbohydrate percentage in dog foods that do not list it. For the Dog Food #1, what is the percentage of carbohydrates based on the suggested calculation?
6. Using that level carbohydrates, calculate the amount of calories per gram of Dog Food #1. Remember, the number on the Dog Food Guaranteed Analysis is a percentage of a given weight.
7. What is deliberately omitted from dog food labels?
8. In most cases, vomiting and diarrhea are caused by what?

How to feed your individual dog

So where should you start? The first place to start is with the food itself. Feeding a poor quality food is never a good idea because in addition to actually being more expensive because of the increased quantities needed to fulfill nutritional requirements, it also produces more waste. It is also more likely to create digestive or behavioral problems. So, to begin, choose a high quality food and look at the recommendations on the label to get your starting point. From there you need to have an accurate weight of the dog and a projected target weight, whether it is an adult on a diet or a growing puppy. Look at the table above and get an idea of your dog's activity level. Remember to factor in the other environmental variables and any additional calories in the form of treats or table foods, and adjust the starting amount accordingly. Ask your veterinarian's opinion on what your dog's ideal weight should be and factor that into your feeding amount. Remember that most dogs are overfed and underexercised so, if in doubt, I usually tell people to feed a little less. After you have started feeding the amount that you have calculated that your dog needs, then you need to weigh your dog at least monthly to determine if the amount fed is appropriate. If necessary, increase or decrease the amount of food slightly until the dog stays at his ideal weight. A handy trick for weighing your dog on a bathroom scale is to weigh yourself while you hold the dog and then weigh yourself without the dog and subtract the difference

Dog food #1

Dog food #2

**INGREDIENTS:** Dried potato, duck by-product meal, coconut oil, natural flavors, potato protein, vegetable oil, fish oil, salt, DL-methionine, choline chloride, vitamins [DL-alpha tocopherol acetate (source of vitamin E), L-ascorbyl-2-polyphosphate (source of vitamin C), biotin, D-calcium pantothenate, pyridoxine hydrochloride (vitamin B6), vitamin A acetate, niacin supplement, thiamine mononitrate (vitamin B1), riboflavin supplement (vitamin B2), folic acid, vitamin B12 supplement, vitamin D3 supplement], trace minerals (zinc oxide, zinc proteinate, ferrous sulfate, manganese proteinate, copper proteinate, copper sulfate, manganous oxide, calcium iodate, sodium selenite), rosemary extract, preserved with natural mixed tocopherols and citric acid.

**GUARANTEED ANALYSIS**

Crude Protein (min) 19.0%, Crude Fat (min) 10.5%, Crude Fiber (max) 3.7%, Moisture (max) 10.0%, EPA\* (min) 0.1%, DHA\* (min) 0.05%

\*Not recognized as an essential nutrient by the AAFCO Dog Food Nutrient Profiles.

**GUARANTEED ANALYSIS:**

|                     |       |                      |            |
|---------------------|-------|----------------------|------------|
| Crude Protein (Min) | 18.0% | Linoleic Acid (Min)  | 1.0%       |
| Crude Fat (Min)     | 8.5%  | Calcium (Ca) (Min)   | 1.0%       |
| Crude Fiber (Max)   | 5.5%  | Phosphorus (P) (Min) | 0.8%       |
| Moisture (Max)      | 12.0% | Iron (Fe) (Min)      | 80.0 mg/kg |

**INGREDIENTS:** Ground yellow corn, meat and bone meal, soybean meal, beef tallow preserved with mixed-tocopherols (form of Vitamin E), corn gluten meal, egg and chicken flavor, animal digest, salt, potassium chloride, choline chloride, Red 40, zinc sulfate, ferrous sulfate, Vitamin E supplement, Yellow 5, manganese sulfate, Blue 2, L-lysine monohydrochloride, niacin, Vitamin A supplement, copper sulfate, calcium pantothenate, garlic oil, pyridoxine hydrochloride, Vitamin B-12 supplement, thiamine mononitrate, Vitamin D-3 supplement, riboflavin supplement, calcium iodate, menadione sodium bisulfite complex (source of Vitamin K activity), folic acid, biotin, sodium selenite. H-5020

Manufactured by: Nestlé Purina PetCare Company, St. Louis, MO 63164 USA

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ALPO Prime Cuts Savory Beef Flavor is formulated to meet the nutritional levels established by the AAFCO Dog Food Nutrient Profiles for maintenance of adult dogs.

**RECOMMENDED DAILY FEEDING AMOUNTS**  
Using a standard 8 oz measuring cup

Atkins. South Beach. The Zone. Do these names sound familiar?

They're all **low carbohydrate diets**... low carbohydrate diets for humans, that is.

Yet in the world of dog food, carbohydrates remain a mystery.

That's because the dog food industry makes absolutely no attempt to disclose the actual carbohydrate content of its products.

For proof, you need look no further than the "Guaranteed Analysis" printed on the label of virtually every dog food product. Notice the package reveals the percentages of just four nutrients...

- Protein
- Fats
- Fiber
- Moisture (water)

Have you noticed what's missing?

That's right... carbohydrates.

### **Missing from Every Dog Food Label**

Carbohydrate content has actually been deliberately omitted from the dog food's nutrition label.

If feeding your dog a low carbohydrate diet happens to be your goal... and you're looking for that information on a dog food package... you're simply out of luck.

But there's good news.

In less than a minute... you can quickly uncover the hidden percentage of carbohydrates... in virtually any dog food.

Here's how...

### **How to Quickly Calculate the Carbohydrate Content of Any Dog Food**

Basically, the bulk of all dog foods consist of four major nutrients...

- Proteins
- Fats
- Carbohydrates
- Moisture (water)

In addition, all these products include something called ash. Ash is the non-combustible mineral residue that's left over after burning away all the protein, fats and carbohydrates.

Ash content usually measures about five to eight percent of each finished product<sup>1</sup>. So, I routinely allow about 8 percent as a benchmark for this important variable.

Together, the protein, fat, ash, carbohydrate and water content must account for roughly 100 percent of the total pre-cooking weight of any dog food.

OK. Now, some simple math...

Subtract the reported protein, fat, water and ash percentages from the 100 percent total. And you'll get a fairly good idea of the carbohydrate content in that dog food.

By the way, if you're wondering why I'm ignoring the fiber content... it's because fiber *is* actually a carbohydrate. So, its percentage is automatically included in your carbohydrate calculations.

### A Real Life Example

Say a particular dog food contains 26% protein, 14% fat and 10% water. Now, allowing for an ash content of 8%... how much carbohydrate should you expect to find in that product?

No problem...

Simply start with a total of 100 percent... then subtract the protein, fat and moisture. And don't forget to allow for an average ash content of about 8 percent, too.

$$\text{Carbohydrates} = 100\% - 26\% - 14\% - 10\% - 8\% = 42\%$$

In other words, if you remove all the "known" nutrients from the food, you'd be left with just the carbohydrates... in this case, about 42 percent.

$$\begin{aligned} 1,000 \text{ grams} &= 1 \text{ Kg} \\ 2.2 \text{ lbs} &= 1 \text{ Kg} \end{aligned}$$

## Understanding your dog's energy needs

Table 1. Activity levels and daily energy requirements

The first step in understanding your dog's energy requirements is realizing that there is no set formula for determining your dog's individual needs. For people, it is fairly simple to calculate your recommended daily caloric requirements based upon your weight because, as people, we are all relatively similar compared to dogs. As a person, if you want to know how many daily calories you should consume all you have to do is look on a chart and there it is, give or take a few percentages for activity level and age. But with dogs, there are huge differences between breeds, size, growth rates in puppies, activity levels, skin and coat thicknesses, and living conditions. For example, compare the energy needs of a young Malamute living outdoors and learning to pull a dog sled to that of an adult Pomeranian living in a heated apartment, and the pound for pound difference in caloric needs could be over tenfold. Those kind of differences rarely happen in humans and these differences are why it is so difficult to have a set answer for how much a dog should be fed.

| Activity                       | Daily Energy Requirements |
|--------------------------------|---------------------------|
| Weight loss                    | 1.0 x RER                 |
| Neutered adult normal activity | 1.6 x RER                 |
| Intact adult normal activity   | 1.8 x RER                 |
| Light work                     | 2.0 x RER                 |
| Moderate work                  | 3.0 x RER                 |
| Heavy work                     | 4-8 x RER                 |
| Pregnant dog (first 42 days)   | 1.8 x RER                 |
| Pregnant dog (last 21 days)    | 3.0 x RER                 |
| Lactating female               | 4-8 x RER                 |
| Puppy - weaning to 4 months    | 3.0 x RER                 |
| Puppy - 4 months to adult size | 2.0 x RER                 |

Table 1 gives some guidelines that nutritionists use for calculating caloric needs for dogs. This table is based upon a dog's Resting Energy Requirements or RER. The RER is the basic amount of energy that a dog would use in a day while remaining at rest. The formula to calculate RER for animals between 2 and 45 kg (5 - 99 pounds) is:

$$\text{RER in kcal/day} = 30(\text{body weight in kilograms}) + 70$$

Any activity or variable other than rest will require an increase in energy (RER) and an increase in calories to meet the energy needs. Realize that these numbers are not a reflection of maintenance calories but of resting energy levels. For example, a normal adult dog with normal activity is already at 1.6 times the resting energy requirement.

While this table does not tell us how much we need to feed our dog, it does show the significant variability in a dog's energy requirements based upon his activity. Remember that this table does not take into account characteristics like breed differences, air temperature, and coat insulation, which can additionally alter an individual dog's energy requirement as much or more than any of the activities listed above.

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## Dry Dog Food Calorie Count

by Petfinder

Print

Tags: Dogs, Food, Nutrition, Overweight

By Naomi Millburn

Accommodating your pooch's daily nutritional requirements calls for much more than simply buying him the first bag of kibble you see at your local grocery store. Picking out a suitable commercial food for your pet requires a lot of considerations, whether they relate to his taste buds or caloric needs. When you choose a commercial dry food formula for your dog, make sure you're aware of its caloric content.



Thinkstock

### DRY FOOD AND YOUR DOG

Dry commercial dog food is a strong dietary staple for most canines. It provides dogs with calories, carbohydrates and fats, generally lacks a strong smell and typically stays fresh for longer than wet meals while also being affordable. When you look for a commercial dry food for your pet, select a complete and balanced product. Balanced and complete dry dog food formulas give dogs all their essential nourishment, with the exception of H<sub>2</sub>O.

### CALORIES IN DRY DOG FOOD

Single cups of dry food typically are higher in calories than single cups of their wet counterparts, according to veterinarian and author Jocelynn Jacobs. This is largely because of dry food's lack of water. Dry canine fare, for the most part, contains roughly 97 calories for each 1 ounce. Semi-moist dog food usually has fewer calories, at about 85 calories for each 1 ounce. Wet food is lowest in calories, usually with around 25 calories for every 1 ounce. If you're baffled as to exactly what "semi-moist" dog food is, it's exactly what it sounds like – somewhere between dry and wet, with a water level between 25 and 35 percent. "Normal" dry foods usually are between 10 and 12 percent water. Wet food is generally 74 to 82 percent water.

### CALORIE DETERMINATION

Knowing the calorie counts for every dry dog food you see at the supermarket or pet supplies store isn't always a straightforward process. It isn't mandatory for dog food companies to note caloric content on their packaging, except in special reduced calorie formulas, according to veterinarian and author Ernie Ward. You usually can figure out the calories on your own, by looking at the values under the package's Guaranteed Analysis section. Fat usually contains roughly 8.5 calories for each single gram. Carbohydrates and proteins are about 3.5 calories for each single gram. Multiply the indicated fat percentage by 8.5. Then follow by multiplying the indicated carbohydrate and protein percentages by 3.5. Add the numbers and that final sum should be close to the number of calories in each single gram of the dry food. Some dog food brands do provide caloric content on individual packaging and on official product websites, or will provide that information if you call or write.

### CALORIC DEMANDS THROUGHOUT THE CANINE WORLD

Dogs run the gamut in caloric demands. A 1-year-old Chihuahua, for example, is not going to need the same daily calories as an older German Shepherd Dog. Other factors also go into figuring out how many calories your dog needs each day. If your dog is a little chubby and needs to lose 5 pounds, he requires fewer calories than other pooches of his age group. If your dog is nursing a litter of pups, she might need to increase her daily calories. Spayed or neutered dogs also have different caloric needs than their intact pals. Discuss with your veterinarian exactly how many calories your pet should be eating on a daily basis. Make sure your vet knows all the details she needs to help your dog, from information about your pet's daily exercise levels to his full health background.