



# Grayson Technical Program

## HIGH SCHOOL COURSE SYLLABUS



**COURSE TITLE.....Animal Science & Biotechnology**      **TERM .....Fall, 2013**  
**TEACHER .....Nicole O'Mara**      **ROOM #.....T2.221**

<b>Email Address</b>	nicole_omara@gwinnett.k12.ga.us
<b>Teacher Web Page</b>	omaraveterinaryscience.weebly.com
<b>Teacher Support</b> (Help sessions etc.)	Help sessions are available before and after school on Mondays and Wednesdays in Room 2.221

### COURSE DESCRIPTION *(Published in the Choice Book)*

Students study the history and evolution of animals as well as breeds, species, anatomy, biomechanics and movement, reproduction, digestion and nutrition, animal welfare, and animals' use within the food industry. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

### COURSE CURRICULUM CONTENT

The entire list of Academic, Knowledge and Skills for each of the following curriculum strands in this course can be accessed through the district web address at [www.gwinnett.k12.ga.us](http://www.gwinnett.k12.ga.us)

AKS STRANDS	UNITS/TOPICS
A. Knowledge and Skills B. Core Skills	1. Leadership, HOSA, & FFA 2. Safety, Handling, and Sanitation 3. Veterinary Terminology 4. Animals in Society (Well-Being & Rights) 5. Anatomy & Physiology (I & II) 6. Animal Nutrition & Digestion 7. Reproduction 8. Meat and Food Science

### INSTRUCTIONAL MATERIALS AND SUPPLIES

Published Materials	Instructional Supplies
Thompson/Delmar: Introduction to Veterinary Science Thompson/Delmar: Modern Livestock & Poultry Production	1. Notebook (paper, dividers) 2. Pens/Pencils 3. Notecards 4. Thumb drive

### EVALUATION AND GRADING

Assignments	Grade Weights	Grading Scale
Classwork & Homework (5%) Quizzes (7.5%) Grayson Work Ready (10%) Labs/Lab Reports (12.5%) Major Project (17.5%) Unit Tests (17.5%) Performance Evaluations (10%) Final Exams (Objective 10%, Performance 10%)	Class Assessments      35%  Summative Assessment      45%  Final Exam      20%	A: 90 and above B: 80 – 89 C: 74 – 79 D: 70 – 73 F: 69 or below

### OTHER INFORMATION

Expectations for Academic Success	Additional Requirements/Resources
1) Review daily 2) Ask questions 3) Participate constructively as a team member 4) Proof read written assignments and edit meaningfully 5) Challenge yourself to continuously improve	<ul style="list-style-type: none"> <li>• Tutoring Available</li> <li>• Helpful Resources</li> <li>• Community Support Services</li> <li>• Lab Safety Procedures</li> </ul>

Major Project - Animal Breeds Notebook	Labs/Lab Reports
<p>Species Groups Included (100 animals total):</p> <ol style="list-style-type: none"> <li>1. Beef Cattle</li> <li>2. Dairy Cattle</li> <li>3. Horses</li> <li>4. Sheep</li> <li>5. Goats</li> <li>6. Pigs</li> <li>7. Cats</li> <li>8. Dogs</li> </ol> <p>Research and work will be done both inside and outside of the classroom. The project will be turned in, in sections throughout the semester, with a final corrected version turned in at the end of the semester; late final projects will not be accepted. The exact requirements for the project and due dates will be given at a later time in the semester.</p>	<ul style="list-style-type: none"> <li>▪ Various labs are performed throughout the semester</li> <li>▪ Two labs will be AP Biology Labs that will require a lab report to be written.</li> <li>▪ Lab reports are due 1 week from the date of completion of the lab. <b>NO LAB REPORTS WILL BE ACCEPTED LATE.</b></li> </ul>

A Note About Animals in the Classroom
<p>As part of the Veterinary Science class students are going to be exposed to various types of animals, such as dogs, cats, horses, and other livestock. The students are taught proper safety and handling techniques for all of these animals and get the chance to practice these techniques on real animals. Any new technique that is learned is taught and practiced on my animals, as I can consistently determine their attitudes and moods while the students are working with them.</p> <p>During the course of the school year, students will be exposed to the animals of their fellow students and the animals of other teachers at Grayson High School. The students get the opportunity to bring their animals in, as kind of a “show-and-tell” of their animals and to expose the students to other species and breeds of animals. Teachers bring their animals in for grooming as a fundraiser for the class and to give the students an opportunity to learn about grooming and bathing various breeds of animals in addition to the curriculum that they are already learning. Every precaution will be made to ensure the safety of both students and animals that are in the program.</p> <p>As mentioned before, students will get the opportunity to bring in their own animals from time to time. I strongly encourage parents to talk about their animal’s behavior around new people and new settings with their student before the animal(s) come into the classroom. If the animal has a high anxiety, fear of new settings, people or other animals, or is an older animal, I highly discourage that animal coming into the classroom for the safety of other students as well as the safety of the animal. I also highly discourage bringing cats into the classroom, as cats are a high anxiety animal that does not like a lot of people or new surroundings. If an animal is bought into the classroom and I have to question the safety of the other students and/or the animal, I will deem it necessary that you must come and take the animal home. The animal will no longer be able to come back to the class and your student will no longer be allowed to bring animals back to class.</p> <p>When students are allowed to bring animals in, they are only allowed to bring in their <b>own</b> animals, not the animals of friends or neighbors. Animals must be current on all vaccinations, including kennel cough, and parasite free, which includes fleas. I do request that the animals’ medical records are brought in prior to their visit to the classroom. From time to time students will get new puppies or kittens, but these animals are not allowed in the classroom until they have gone through their entire vaccination series, which typically takes 3 to 4 veterinary office visits.</p> <p>I really enjoy teaching the class and I love the opportunities that this class provides students who are interested in the veterinary industry. I would like to continue to provide the students with the best education possible and the best opportunities available, but I will need your help in making that happen. Please take time to read this and discuss it with your student so that we can continue to allow animals into the classroom for an exceptional classroom experience.</p>

*The syllabus may be updated as needed throughout the semester.*