Animal Science Class Syllabus

Course Title: Introduction to Animal Science

Instructor: Ms. Audrianna Bruce
Contact Information: abruce@troyusd.org
Class Time: 8:00 AM – 8:50 AM

Course Description

Welcome to Introduction to Animal Science! This course provides a comprehensive overview of animal biology, behavior, and anatomy. Students will explore various aspects of animal science, including genetics, nutrition, and health. Practical activities such as dissections and hands-on projects will enhance understanding.

Course Objectives

By the end of this course, students will:

- Understand the basic anatomy and physiology of animals.
- Learn about animal nutrition, health, and behavior.
- Develop skills in handling and caring for animals.
- Gain experience in conducting scientific experiments and dissections.

Required Materials (Will be provided)

- Textbook: *Introduction to Animal Science*
- Notebook and pens/pencils
- Lab coat (for dissections and hands-on activities)
- Safety goggles

Classroom Rules

1. **Respect:** Treat everyone with kindness and respect. This includes respecting the animals we study.
2. **Safety First:** Always follow safety instructions, especially during dissections and lab activities.
3. **Punctuality:** Arrive on time and be prepared for each class.
4. **Participation:** Actively participate in discussions and activities.
5. **Cleanliness:** Keep your work area clean and dispose of waste properly.

Warning

Please be aware that this course includes activities where we will handle and dissect animal parts. Some of these activities may involve exposure to blood and other biological materials. It is crucial to follow all safety procedures and instructions given. If you have any concerns about these activities, please discuss them with the instructor before signing this syllabus.

Semester Schedule

Week 1-2: Introduction to Animal Science

- Overview of the course
- Basic animal biology

Week 3-4: Animal Anatomy and Physiology

- Detailed study of animal organ systems
- Hands-on activities with anatomical models

Week 5-6: Nutrition and Health

- Principles of animal nutrition
- Common health issues in animals

Week 7-8: Animal Behavior

- Understanding animal behavior and training techniques

Week 9-10: Genetics and Breeding

- Basic genetics principles
- Breeding and genetic selection

Week 11-13: Dissection and Hands-on Activities

- Dissection of various animal specimens
- Study of internal structures

Week 14-15: Review and Final Projects

- Review of key concepts
- Presentation of final projects and reports

Week 16: Final Exam and Course Wrap-Up

- Final exam
- Course review and feedback

Grading Criteria

- **Participation and Attendance:** 20%
- **Homework and Assignments:** 25%
- **Lab Reports and Practical Work:** 30%
- **Midterm Exam:** 15%
- **Final Exam/Project:** 10%

Parent and Student Acknowledgment

By signing below, you acknowledge that you have read and understood the syllabus, including the warning about the dissection activities and exposure to biological materials.

Parent/Guardian Signature: _____
Date: _____

Student Signature: _____
Date: _____

Feel free to reach out if you have any questions or concerns. We look forward to a great semester exploring the fascinating world of animal science!