

# Agriculture Science and Technology Job Description



**Job Title:** Agriculture Science & Technology      **FSLA:** Exempt/Professional

**Reports to:** Principal      **Pay Grade:** Teacher Scale

**Dept./School:** Assigned Campuses      **Calendar Days:** 220

**Contract:** Probationary/Term      **Revised:** 2.08.2021

## Primary Purpose

Provide students with appropriate learning activities and experiences in the CTE Agriculture Science and Technology subject area assigned to help them fulfill their potential for intellectual, emotional, physical, and social growth. Enable students to develop competencies and skills to function successfully in society.

## Education/Certification/Experience:

### Qualifications

- Bachelors of Science Degree in the field of Agriculture Science and Technology
- Applicant must meet the requirements of the Aldine ISD District of Innovation CTE Teaching Permit Certification Program or hold a Valid Texas career and technical education certificate with required license, endorsements, and training for subject and level assigned or, if approved, enrolled in certification program.

## Special Knowledge/Skills:

1. Knowledge of the career and technical education subject assigned, and its industry
2. General knowledge of curriculum and instruction
3. Ability to instruct students and manage their behavior
4. Ability to oversee student field experiences in career area assigned
5. Ability to work collaboratively with colleagues
6. Ability to use technology as an instructional, curriculum, and student management tool
7. Must have Knowledge and skills in curriculum and instruction in the following content areas:
  - Agriculture Food and Natural Resources
  - Agribusiness Management and Marketing
  - Equine Science
  - Livestock Production and Small Animal Management
  - Veterinary Medical Application
  - Advance Animal Science
  - Agricultural Mechanics and Metal Technologies
  - Agricultural Structures Design and Fabrication
  - Ability to use technology as an instructional, curriculum, and student management tool
  - Ability to work collaboratively with colleagues
  - Knowledge of Career and Technical Student organization FFA
  - Knowledge and skills in training FFA competitive leadership teams
  - Ability to manage and assist students in raising livestock projects
  - Ability and knowledge of managing Agricultural Science Center
  - Ability and knowledge of planning, implementing and managing local Livestock Show
8. Strong organizational, communication, and interpersonal skills

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## Experience:

To meet the DOI requirement applicant must have at least three (3) years successful work experience in the Agricultural Science and Technology field.

## Major Responsibilities and Duties

### Instructional Strategies

1. Develop and implement lesson plans that fulfill the requirements of district's curriculum program and show written evidence of preparation as required. Prepare lessons that reflect accommodations for differences in individual student differences
2. Plan and use appropriate instructional and learning strategies, activities, materials, equipment, and technology that reflect understanding of the learning styles and needs of student's assigned and present subject matter according to guidelines established by Texas Education Agency, board policies, and administrative regulations
3. Conduct assessments of student learning styles and use results to plan instructional activities
4. Work cooperatively with special education teachers to modify curricula as needed for special education students according to guidelines established in Individual Education Plans (IEP)
5. Work with other members of staff to determine instructional goals, objectives, and methods according to district requirements
6. Plan and assign work to instructional aide(s) and volunteer(s) and oversee completion

### Student Growth and Development

7. Conduct ongoing assessment of student achievement through formal and informal testing
8. Assume responsibility for extracurricular activities as assigned. Sponsor outside activities approved by the campus principal, including a Career and Technical Student Organization (Student Leadership, Competitive events)
9. Present a positive role model for students, support mission of school district

### Classroom Management and Organization

10. Create classroom environment conducive to learning and appropriate for the physical, social, and emotional development of students
11. Manage student behavior in accordance with Student Code of Conduct and student handbook
12. Take all necessary and reasonable precautions to protect students, equipment, materials, and facilities
13. Assist in selecting books, equipment, and other instructional materials
14. Compile, maintain, and file all reports, records, and other documents required

### Communication

15. Establish and maintain a professional relationship and open communication with parents, students, colleagues, and community members

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## Professional Growth and Development

16. Participate in staff development activities to improve job-related skills
17. Attend and participate in faculty meetings and serve on staff committees as required

## Other

18. Comply with state, district, and school regulations and policies for classroom teachers
19. Assume other duties as assigned by the campus principal and the Superintendent of Schools
20. Agricultural Science and Technology teachers are required from time to time to pull a Aldine ISD Agriculture Science Trailer and transport students to competitive events.
21. The Teacher must own a personal vehicle with the capable of pulling the Agriculture Science and Technology Trailer with a minimum towing capacity of 4,500 lbs.
22. Agriculture Science and Technology Teacher is required annually to provide documentation of vehicle ownership and liability Insurance.

## Supervisory Responsibilities

None

## Evaluation

Teachers will be evaluated by their administrator using Aldine ISD's Invest appraisal system earning one of the following levels of job performance:

- Highly Effective
- Effective
- Needs Improvement
- Ineffective

## Work Environment

**Mental Demands:** Work with frequent interruptions, maintain emotional control under stress

**Physical Demands/Environmental Factors:** May work prolonged or irregular hours; work inside and outside (exposure to sun, heat, cold, and inclement weather), exposure to noise; frequent districtwide and occasional statewide travel

**Tools/Equipment Used:** Standard office equipment including personal computer and peripherals.

**Posture:** Frequent sitting and standing; occasional bending/stooping, pushing, /pulling, and twisting

**Motion:** Repetitive hand motions; frequent keyboarding and use of mouse; occasional reaching

**Lifting:** Occasional light lifting and carrying (50 pounds); occasional physical restraint of students to control behavior

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This document describes the general purpose and responsibilities assigned to this job and is not an exhaustive list of all responsibilities and duties that may be assigned or skills that may be required.