

## Job Description

**Job Title:** iSTEM Teacher (Secondary)

**Position Code:**

**Job Classification:**

**Supervisor:** Principal

**Pay Grade:** 35A, 37A, 38A, 39A

**Contract Length:** 192 Days

### Job Summary

Position is responsible for creating an innovative classroom environment that fosters, promotes, and develops students' ability to apply problem-solving processes and core content knowledge to solve real-world problems in creative ways that lead to deeper learning.

### Essential Duties

1. Teaches knowledge, skills, and practices in STEM, STEAM, and Computer Science utilizing curriculum designed by Newport News Public Schools and other appropriate learning activities.
2. Instructs students in the basic tenants of engineering design, design thinking, and computational thinking.
3. Works cooperatively with core and iSTEM teachers in a professional learning community to ensure alignment to the Virginia Standards of Learning and to meet individual students' needs.
4. Utilizes a variety of instructional technology, tools, and techniques, identified as a best practice in STEM teaching to promote student growth, creativity, and collaboration when facilitating challenge-based learning experiences that integrate multiple disciplines.
5. Demonstrates self-reliance in mastering new technologies such as robotics, online instructional programs, and basic coding.
6. Teaches the 6-8<sup>th</sup> grade Computer Science Standards of Learning as defined by the NNPS curriculum and Virginia Department of Education.
7. Maintains a familiarity with middle school English, Math, and Science Virginia Standards of Learning to teach content through integration as defined by the NNPS iSTEM curriculum.
8. Fosters workplace readiness skills through the strategic integration of Virginia's 5Cs into daily lesson plans.
9. Engages community partners aligned to the career component outlined in each unit of study.
10. Selects age-appropriate tools and materials when facilitating project-based learning.
11. Provides appropriate safety instruction and maintains a copy of the NNPS STEM Safety Contract on file for each student to ensure the overall safety of students.
12. Maintains an organized and orderly classroom that will require accessible storage of ongoing student projects, consumable materials, technology, and STEM tools.
13. Develops lesson plans and supplementary materials compatible with the division's basic instructional philosophy and congruent with the course and SOL standards; provides individualized and small group instruction to adapt the curriculum to the needs of each student and subgroups of students.
14. Establishes and maintains standards of student behavior to provide an orderly, productive environment for project-based learning.
15. Evaluates the growth of students in accordance with the NNPS Profile of a Learner, prepares report cards, and keeps appropriate records to include attendance reports, assessment data, and other recordkeeping activities as necessary.
16. Communicates with parents and appropriate school staff on student progress.
17. Supervises students in out-of-classroom activities during the assigned working day.
18. Administers testing in accordance with division testing practices.
19. Models nondiscriminatory practices in all activities.

(These are intended only as illustrations of the various types of work performed. The omission of specific duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position.)

### Other Duties

1. Maintains professional competence by attending staff development programs, curriculum development meetings and other professional activities.
2. Participates in various student and parent activities which occur in school including PTA, student clubs

- and after-school activities.
- 3. Creates an effective learning environment through functional and attractive displays, bulletin boards, and activity/learning centers.
- 4. Performs any other related duties as assigned by the Principal or other appropriate administrator.

**Job Specifications**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required. Reasonable accommodation may be made to enable individuals with disabilities, who are otherwise qualified, to perform the essential functions.

**Minimum Qualifications (Knowledge, Skills and/or Abilities Required)**

Must possess a Bachelor’s or Master’s degree in education or a related field and meet the Virginia Department of Education licensure eligibility requirements to teach at the assigned grade level. Must be eligible for, or in possession of a Virginia teaching license. Must possess ability to communicate effectively verbally and in writing. Must possess the ability to establish and maintain effective working relationships with students, staff, parents, and the public.

**Working Conditions and Physical Requirements**

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodation may be made to enable individuals with disabilities to perform essential functions. Must have the ability to sit and stand for extended periods of time; exhibit manual dexterity to dial a telephone, to enter data into a computer; to see and read a computer screen and printed material with or without vision aids; hear and understand speech at normal classroom levels, outdoors and on the telephone; speak in audible tones so that others may understand clearly in normal classrooms, outdoors and on the telephone; physical agility to lift up to 25 pounds to shoulder height and 50 pounds to waist height; and to bend, stoop, sit on the floor, climb stairs, walk and reach overhead.

**Work Environment**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. Duties are normally performed in a school/classroom environment. Duties may be occasionally performed on field trips away from school. The noise level in the work environment is usually moderate.

**Supervision Exercised:** May include instructional assistants, volunteers, tutors.

**Supervision Received:** Principal

*This job description in no way states or implies that these are the only duties to be performed by this employee. The iSTEM Teacher Secondary will be required to follow any other instructions and to perform any other related duties as assigned by the Principal or appropriate administrator. Newport News Public Schools reserves the right to update, revise or change this job description and related duties at any time.*

**Approvals:**

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Supervisor

Date

**I acknowledge that I have received and read this job description.**

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Employee Name (Print)

Signature

Date