



Job Title:	Information Technology/ Computer Programming Teacher	Wage/Hour Status:	Exempt
Reports To:	Principal	Pay Grade:	Teacher Pay Scale
Dept. /School:	Ben Barber Innovation Academy	Date Revised:	12/13/18

Primary Purpose:

Provide learners with appropriate learning activities and experiences designed to help them fulfill their potential for intellectual, emotional, physical, and social growth. Enable learners to develop 21st century skills to function successfully in society and develop PBL-focused instruction.

Qualifications:

Education/Certification:

Bachelor's degree from accredited university
Valid Texas teaching certificate with required endorsements for subject and level assigned

Special Knowledge/Skills:

Knowledge of subjects assigned
Knowledge and skills of computer languages such as Java, C++, and Python
Knowledge and skills of programming environments such as Scratch, Jeroo, Greenfoot, JCreator or Eclipse
General knowledge of curriculum and instruction
Ability to instruct students and manage their behavior
Strong organizational, communication, and interpersonal skills
Strong interest in STEM related subjects and 21st Century Skills

Experience:

Industry experience preferred
Computer Science Degree preferred

Major Responsibilities and Duties:

Instructional Strategies:

1. Plan and implement a focused and balanced curriculum for each learner.
2. Prepare lessons that reflect accommodations for differences in learning styles.
3. Present subject matter according to guidelines established by Texas Education Agency, board policies, and administrative regulations.
4. Utilize assessment data to differentiate curriculum & instructional practices to help learners meet school performance standards: common formative assessment.

5. Work cooperatively with special education teachers to modify curricula as needed for special education students according to guidelines established in Individual Education Plans (IEP).
6. Work with other members of staff to determine instructional goals, objectives, and methods according to district requirements.
7. Plan and supervise assignments of teacher aide(s) and volunteer(s).
8. Use 21st century skills, technology and makerspaces to strengthen the teaching/learning process.
9. Exhibit mastery and enthusiasm for STEM based instruction.
10. Implement best practices—interdisciplinary approach and real world authenticity.

Student Growth and Development:

11. Help learners analyze and improve study methods, habits, and track their own data.
12. Conduct ongoing assessment of student achievement through formal and informal testing.
13. Assume responsibility for extracurricular activities as assigned. Sponsor outside activities approved by the campus principal.
14. Be a positive role model for learners, support mission of school district.
15. Reteach, spiral, change daily instruction to meet learner needs.
16. Assist in ongoing development of rubrics, formative assessments, STEM curriculum, and PBL.
17. Play an integral role in ensuring learner success through the support of STEM culture, the development and instruction of an advanced academic curriculum, and use of data to drive daily practice.

Learning Environment Management and Organization:

18. Create a flexible environment conducive to learning and appropriate for the physical, social, and emotional development of students.
19. Manage learner behavior in accordance with Student Code of Conduct and student handbook.
20. Take all necessary and reasonable precautions to protect learners, equipment, materials, and facilities.
21. Assist in selection of books, equipment, and other instructional materials.

Communication:

22. Establish and maintain open lines of communication by conducting conferences with parents, learners, principals, and teachers.
23. Work as a leader and member of a team through cooperation and collaboration.
24. Maintain a professional relationship with colleagues, learners, parents, and community members.
25. Use effective communication skills to present information accurately and clearly.

Other:

26. Participate in staff development activities to improve job-related skills
27. Keep informed of and complies with state, district, and school regulations and policies for classroom teachers.
28. Compile, maintain and file all physical and computerized reports, records and other documents required.
29. Other duties as assigned

Supervisory Responsibilities:

Supervise assigned teacher aide(s).

Working Conditions:**Mental Demands/Physical Demands/Environmental Factors:**

Maintain emotional control under stress. Frequent standing, stooping, bending, pulling and pushing. Move small stacks of textbooks, media equipment, desks, and other classroom equipment.

NOTE: The foregoing statements describe the general purpose and responsibilities assigned to this job and are not an exhaustive list of all responsibilities, duties, or skills that may be required.