



# The John Thomas Dye School

|                 |  |
|-----------------|--|
| Title:          | Science and Technology Teacher, Grades 4-6 |
| Reports to:     | Upper School Head                          |
| Department:     | Faculty                                    |
| Status:         | Exempt, Full-Time                          |
| Effective Date: | July 2024                                  |

The 4-6 inSTED (Innovation, Science, Technology, Engineering & Design) Teacher provides instructional strategies and skills that will enable students to master the skills which foster best practices in science, technology, engineering, and design, with a knowledge base and passion for teaching students. JTD's instead program is an interdisciplinary program with co-teaching for science classes and the addition of a 3rd teacher who is a technology integration specialist for technology classes.

## **Science/Technology Specialist:**

- Plan and implement an enriched, challenging and developmentally appropriate integrated curriculum including science, technology, engineering, and design in collaboration with inSTED Team
- Demonstrate the ability to model, deliver, and craft rich student-centered, innovative learning experiences around Science, Technology, Engineering, and Design
- Demonstrate fundamental knowledge of the connection between technology, engineering, science, and other fields of study
- Evaluate student work, both formative and summative assessments, benchmarks and other assessments, to guide instructional planning and promote student success
- Maintain awareness of best practices science education and in educational technology
- Familiarity with Amplify Science curriculum a bonus

## **Co-Teaching:**

- Work in partnership with other 4-6 inSTED co-teacher and K-6 technology integration specialist, modeling consistent effective teaching with technology, engagement, lesson plan design, use of technology, and online tools
- Utilize best instructional practices, methods, materials, and technology
- Hold students to high standards, allowing for differentiation among learning styles
- Demonstrate a repertoire of effective and engaging instructional strategies that meet the needs of all students
- Communicate on a regular basis with Co-Teacher to discuss student progress
- Relate to and communicate well with students, parents, administration, and staff
- Attend all department, curricular, and faculty meetings

**Classroom Environment:**

- Provide a positive and safe environment for students physically and emotionally that reflects developmentally appropriate classroom management strategies
- Support the academic and social-emotional needs of students, including participating in the development and implementation of learning or success plans as needed

**Professional Learning:**

- Seek knowledge of current instructional theories and best practices and demonstrate a commitment to professional growth by participating in Professional Development opportunities

**Professional Responsibilities:**

- Model professional and ethical standards and 5C's behavior (Caring, Consideration, Common Sense, Cooperation, and Courtesy) when interacting with students, parents, and colleagues
- Exercise excellent writing skills to communicate with colleagues, students, and families and produce detailed narratives regarding student progress
- Collaborate and communicate effectively with students, parents, administration, staff, and if applicable, outside professionals
- Participate in the overall care of students through duties such as morning carpool check-in, recess supervision, and afternoon checkout
- Participate in parent-teacher conferences, parent nights, open house, admissions events, and other events outside contractual hours at the request of the administration
- Support one or more Upper School clubs or activities
- Other duties as assigned by the Upper School Head or Head of School

**SKILLS, KNOWLEDGE and QUALIFICATIONS:**

- Bachelor's Degree in Science, Technology, education, or related field
- Master's Degree or Credential in Science, Technology, STEAM, or education preferred
- Minimum of 2-3 years of classroom teaching experience, preferably in an independent school setting
- Strong understanding of Next Generation Science Standards (NGSS) and International Society for Technology in Education (ISTE) standards
- Expert level of technology and 21st century learning understanding and application
- Deep knowledge of content standards, effective instructional strategies, and assessment driven instruction
- Strong Google Apps for Education skills (Docs, Sheets, Slides, Sites, etc.)
- Technology literate and comfortable with acquiring new technology skills; a bonus if any experience with the following tools: 3D printing, Tynkercad, Makey-Makey, Kodable, Tynker, BeeBot, and MinecraftEDU
- Strong understanding of academic, social, and emotional development of children
- Strong understanding and use of multiple forms of assessment to inform and drive

instruction

- Excellent communication, interpersonal, and presentation skills
- Strong organization and time-management skills
- Ability to work independently and as part of a team

Disclaimer: The above statements are intended to describe the general nature and level of work being performed by individuals assigned to this position. They are not intended to be construed as an exhaustive list of responsibilities, duties, and skills required of employees so classified.

**If you are interested in applying to this role, please send a resume and cover letter to Julia Sinton, [julia.sinton@carneysandoe.com](mailto:julia.sinton@carneysandoe.com)**