## POSITION DESCRIPTION

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| **Position Title:** | STEM Teacher | **Agreed by employee:** |  |
| **Business Unit:** |  | **Approved by immediate manager:** |  |
| **Strategic Business Unit:** | TWIN COUNTRIES STREAM ACADEMY | **Approved by MHR:** |  |
| **Location:** |  | **Position Band:** |  |
| **Reports to:** | Director | **Date Prepared:** |  |
| **Direct Reports:** | CEO | **Evaluation Date:** |  |

## JOB PURPOSE

Twin Countries STREAM Academy is a cutting-edge educational institution committed to providing a holistic and innovative STREAM (Science, Technology, Reading/Writing, Engineering, Arts, and Math) education. We are seeking a passionate and dynamic Global Studies Teacher to join our dedicated team in shaping well-rounded, globally aware students.

As a STEM Teacher at Twin Countries STREAM Academy, you will be at the forefront of cultivating the next generation of innovators and problem-solvers. Your role is pivotal in delivering engaging and hands-on STEM education, integrating real-world applications and preparing students for success in a technology-driven world. If you are a dedicated educator with a passion for STEM, we encourage you to contribute to our mission of excellence in education.

## KEY FUNCTIONS AND RESPONSIBILITIES

**General Responsibilities**

* **Curriculum Development:**

Design and implement a dynamic STEM curriculum that aligns with STREAM principles, fostering a deep understanding of science, technology, engineering, and mathematics.

* **Innovative Teaching Methods:**

Employ creative and innovative teaching methods to captivate students' interest in STEM subjects, promoting critical thinking and problem-solving skills.

* **Hands-On Experiments:**

Facilitate hands-on experiments and projects that allow students to apply theoretical knowledge, encouraging a practical understanding of STEM concepts.

* **Technology Integration:**

Integrate cutting-edge technologies into the classroom, ensuring students are proficient in utilizing digital tools relevant to STEM disciplines.

* **Cross-Disciplinary Collaboration:**

Collaborate with fellow educators to create cross-disciplinary projects that demonstrate the interconnectedness of STEM subjects within the broader STREAM framework.

* **Real-World Applications:**

Connect STEM concepts to real-world applications, providing students with insights into how STEM fields contribute to solving global challenges.

* **Individualized Learning:**

Foster an inclusive and individualized learning environment, adapting teaching methods to accommodate diverse learning styles and abilities.

* **Assessment and Feedback:**

Develop effective assessment strategies to measure student understanding and provide timely, constructive feedback for continuous improvement.

* **Extracurricular Activities:**

Lead or support STEM-related extracurricular activities, clubs, and events that enhance students' interest and engagement in STEM subjects.

* **Professional Development:**

Stay current with advancements in STEM education, participating in ongoing professional development opportunities to enhance teaching practices.

**Knowledge and Skills Required**

* **Teaching Certification:** Valid teaching certification for the relevant grade levels.
* **STREAM Expertise:** Strong background and expertise in STREAM education, with a deep understanding of the integration of Science, Technology, Reading/Writing, Engineering, Arts, and Math.
* **Leadership Skills:** Proven leadership experience, with the ability to inspire and guide educators in the effective implementation of STREAM principles.
* **Innovative Mindset:** Demonstrated ability to introduce and implement innovative teaching methods and technology within the STREAM framework.
* **Collaborative Approach:** Strong interpersonal skills and the ability to collaborate with educators, administrators, and external partners to enhance STREAM initiatives.

**Qualifications**

* Bachelor's or Master's degree in Education, STEM, or a related field.