



## **Director, STEM & Robotics (50% with Opportunity to Expand Role)**

Department: Student Engagement & Wellbeing  
Reports to: Head of Student Engagement & Wellbeing  
Education: Bachelor of Education; Bachelor of Science or Bachelor of Engineering  
Post-graduate Education (asset)  
Experience: Demonstrated experience designing and integrating STEM curriculum  
Experience with FIRST Canada Robotics  
Experience in a Not-for Profit setting (asset)  
Experience in an Independent School (asset)  
Computer Skills: Mac, Google, Microsoft Office, C++ an asset  
Working Conditions: School/Office Environment/ External Robotics Events & Competitions

### ***St. Mildred's-Lightbourn School***

*Inspired Girls. Empowered Women. St. Mildred's-Lightbourn School (SMLS) is recognized as one of the premier independent schools in the country and brings a long history of educational excellence to girls from preschool to university entrance. For well over a century, SMLS has helped develop courageous girls who challenge and change the world.*

### ***Role Overview***

Reporting to the Head of Student Engagement & Wellbeing, the Director, STEM & Robotics is responsible for leading the design and implementation of STEM curriculum and Robotics programs across the School. This role will be the lead Mentor for SWAT 771, will collaborate with multiple stakeholders, and will work closely with the STEM Innovation Lead.

## **Duties and Responsibilities**

### ***Planning & Oversight***

- Contribute to building a culture of innovation, and creating awareness about STEM and its potential
- Oversee the development of an SMLS STEM pathway focused on broadening student exposure to STEM (coding, robotics)
- Provide oversight and leadership to ensure that the most current STEM curriculum is integrated into curriculum and programs across the School
- Facilitate and oversee all Robotics programming including First Lego League (FLL), First Lego League Robotics, VEX Robotics, and FIRST Robotics.
- Act as the lead Mentor for the SWAT 771 Robotics team, including annual planning, budgeting, build season and competitions, team leadership, and recruiting community and industry Mentors



### **School & Community Engagement**

- Plan and oversee all STEM-related outreach efforts (community events, alumnae engagement, sponsorships, partnerships, mentoring) working with staff and faculty across the School
- Find opportunities to integrate STEM learning and activities into auxiliary programming (i.e. camps and clubs)
- Support SMLS Open Houses and key School events as required (curriculum night, annual Homecoming, awards nights)
- Build strong networks and act as a liaison with FIRST Canada and other local organizations and CAIS Schools

### **SMLS Values:**

**Respect:** *We welcome and support the diversity of our school community and the broader communities and environment in which we learn, work and live. We respect our Anglican roots and our traditions.*

**Integrity:** *Honesty and responsibility are fundamental to everything we do – from the classroom to the boardroom.*

**Innovation:** *We are in a place where new ideas and promising practices can be explored, evaluated and flourish.*

**Commitment:** *We recognize our responsibilities to each other and to the world, and we will stand by our word and persevere with passion, pride and hard work.*

**Courage:** *We are not afraid to confront the uncertainties or difficulties the future may bring. We are resilient and are prepared to be bold and take action.*

### **SMLS Leadership Competencies:**

**Strategic Mindset:** *Shares a clear vision. Anticipates and shapes the future. Brings holistic, School-wide and systems thinking. Identifies risks and connects ideas.*

**Emotional Intelligence:** *Demonstrates authenticity, self-awareness, empathy, and humility. Connects with and builds strong and positive relationships with all stakeholders. Brings a coaching, feedback, and service focus and a growth mindset to develop self and others.*

**Perseverance & Resilience:** *Perseveres through uncertainty and adversity. Manages complexity and navigates barriers. Role models courage, resolve, positivity, and hope.*



**Director, STEM & Robotics  
Role Profile**

**Professional Judgment:** Role-models professionalism. Demonstrates thoughtful and sound decision-making and good judgment. Applies experience, knowledge, and skills. Considers implications of choices and actions.

**Inspires Change:** Encourages curiosity, new thinking, and ongoing improvement. Challenges the status quo and brings an opportunity and solution-focused mindset.

Please send a cover letter and resume directly to [jsmith@smls.on.ca](mailto:jsmith@smls.on.ca) by **Wednesday March 28, 2018** and indicate '**Director, STEM & Robotics**' in the subject line.

*We appreciate and thank all applicants for your interest in SMLS, however, only those candidates invited for an interview will be contacted. We will begin reaching out to applicable candidates in early March 2018. SMLS is an equal opportunity employer and we accommodate any needs under the Accessibility for Ontarians with Disabilities Act and the Ontario Human Rights Code.*