

## Educational Talent Search Fall 2022 STEM Events



### Seven O'clock STEM Hour

7:00 PM – 8:00 PM

Virtually on ZOOM



Can't make it to a meeting in person? Join us virtually via ZOOM to explore topics in Science, Technology, Engineering, and Mathematics. See below for specific dates and topics for the STEM Hour. Please be logged on prior to the 7 PM start.

#### **Nature's Glow: Exploring Bioluminescence**

**Tuesday, September 27, 2022**

Have you ever seen ocean waves glittering at night? Did you ever wonder why fireflies flash yellow and sea creatures emit a blue-green hue? We will explore various living organisms that glow in the dark. What is bioluminescence? How and why do these living things light up?

#### **Stripes and Solids**

**Tuesday, October 11, 2022**

There is a lot of science behind the games of pool or billiards. Understanding the rules of geometry, trigonometry, and physics can help you shoot more accurately and win more often. We'll learn to use math to predict where the ball will go if you hit from various angles and distances, so you can make the best shot.

#### **Medical Imaging**

**Tuesday, November 1, 2022**

Our guest speakers will highlight the different technologies that are used to view parts of the human body. What are the common uses for medical imaging? They will share their personal postsecondary paths and talk about their duties and responsibilities as medical imaging professionals.

#### **Radium Girls - Book Discussion**

**Tuesday, November 22, 2022**

The scary but true story of the poison that made people glow in the dark. In the 1920s, hundreds of young women spent their days painting watch dials with glow-in-the-dark radium paint. They glitter from head to toe like fireflies. They begin to suffer from a mysterious illness. These shining girls find themselves at the center of a deadly scandal. They fight for workers' rights and save thousands of lives. The book will be provided for free! Be sure to sign up early so you have plenty of time to read it before our discussion.

#### **Night Lights**

**Tuesday, December 6, 2022**

Watching for shooting stars, finding favorite constellations, or the searching for the northern lights has captivated people for eons. What creates these spectacular light shows? Where and when can we see them in the sky? We will explore the aurora borealis, meteor shows and visible stars of the fall sky.

REGISTER at: [bit.ly/TSFall2022](https://bit.ly/TSFall2022)