



# STW/STEM Summer Reading 2018

## Overview

For STW/STEM, you will have to read five articles over the course of the summer. Before school starts, you will also have to look over the GravityLight website. The due dates for these assignments are staggered throughout the summer. As you do your work, think critically about the pieces you read: Was the work interesting? What do you think of the procedures developed by the researchers? Do you believe the results? Can you see any other applications of this work? What follow-up studies would you perform if you were working in that field?

The main goals of this assignment are to help you:

- Start thinking about areas of interest
- Practice writing about STEM topics
- Become critical readers of STEM articles
- Stay current with STEM topics
- Acquire exposure to different types of STEM research

If you have any questions, please email Ms. Curran ([smcurran@wpi.edu](mailto:smcurran@wpi.edu)).

## Places to find STEM news:

You can choose news articles from any reputable news organization. There are many sources of STEM news. Most news websites have a tab for science or engineering news. Other websites specialize STEM-specific news. For example, *Quanta Magazine* (<https://www.quantamagazine.org/>), *Live Science* (<https://www.livescience.com/>), and *Phys.org* (<https://phys.org/>) have great articles on a variety of STEM topics.

	Resource	Instructions	Due	Where to submit
Checkpoint 1	<ul style="list-style-type: none"> <li>• An article of your choice in the field of biology</li> <li>• An article of your choice in physics or astronomy</li> <li>• An article of your choice in any field</li> </ul>	<b>For each article</b> -Write one paragraph summarizing the article. -Write one paragraph describing your personal opinions.	July 13, 2018	<a href="https://goo.gl/forms/iovglBheQsRZoVJC2">https://goo.gl/forms/iovglBheQsRZoVJC2</a>
Checkpoint 2	<ul style="list-style-type: none"> <li>• An article of your choice in engineering or technology</li> <li>• An article of your choice in any field</li> </ul>	<b>For each article</b> -Write a reflection. The reflection should be well-organized, summarize major points from the article, and provide your personal thoughts on the article.	July 27, 2018	<a href="https://goo.gl/forms/bn1keDjEn45KLoEA3">https://goo.gl/forms/bn1keDjEn45KLoEA3</a>
Checkpoint 3	<ul style="list-style-type: none"> <li>• Gravity light <a href="https://gravitylight.org/">https://gravitylight.org/</a></li> </ul>	Look through the website. Pay attention to the engineering process. Answer the questions provided.	August 10, 2018	<a href="https://goo.gl/forms/tpvYvXEnlfntLiC33">https://goo.gl/forms/tpvYvXEnlfntLiC33</a>