

# Pegasus/GT K-12 At Home Activity:

"Lego Masters Challenge", based on the new hit TV show! All Pegasus/GT students elementary, middle school and high school are welcome to participate.

- Your Challenge...Design and build a Lego bridge
  - Dimensions:
    - At least 12 inches in length, but not more than 18 inches.
    - At least 3 inches in width, but not more than 6 inches.
    - At least 4 inches clearance under the bridge, but not more than 6 inches
  - Only Lego pieces may be used in the build
  - Upon completion of your bridge, share a picture or very short video clip with me [rschwab@gc.plymouth.k12.wi.us](mailto:rschwab@gc.plymouth.k12.wi.us)
  - See how much weight your bridge can hold and share another picture when it reaches its breaking point with me [rschwab@gc.plymouth.k12.wi.us](mailto:rschwab@gc.plymouth.k12.wi.us) , along with the amount of weight your bridge held.
  - Option: Repeat and make modifications to try to hold more weight
  - Results will be posted on our web page
- Think about geometric shapes and in your bridge design:
  - <https://prezi.com/h2cxs-e52ovt/geometry-in-bridges/>
  - <https://sciencing.com/geometric-concepts-found-bridges-8711435.html>
- Have fun and get your "build" on!
- If you don't have Legos, you may do the same challenge using pieces of cardboard and masking tape.



Have FUN!!!!!!

:-)

Mr. Schwab

Share Positivity!

Roy Schwab, MEd

Plymouth School District Elementary and High School G.T./Pegasus Coordinator

Health and Wellness Leader - Plymouth Middle School and High School

"Develop a passion for learning. If you do, you will never cease to grow!" ~Anthony J. D'Angelo

"Wisdom begins with wonder." ~ Socrates