Verona Students Begin “Engineering by Design” this Fall!

We are excited to announce that our gifted and talented program in grades three and four has evolved into a S.T.E.M. (Science, Technology, Engineering, and Mathematics) opportunity for all of our students. Dr. Larry Siegel will be actively engaging our young students using the Technology Design Loop as the foundation for the class. “Engineering by Design” (EbD) uses an integrative approach where multiple S.T.E.M. elements are purposefully and significantly combined which will result in a deeper, more meaningful, and dynamic learning experience.

This initiative helps our students prepare for the Common Core State Standards as well as the Next Generation Science Standards, which will now include Technology and Engineering components of S.T.E.M. “The Technology & Engineering components of S.T.E.M. are of particular value in teaching and learning S.T.E.M. content. However, compared to Math and Science Components, far fewer efforts have been made nationally in effectively integrating the T&E components,” declares The College of New Jersey (TCNJ) adjunct professor and EbD Project Director, Mr. Chris Anderson.

Verona is once again taking the lead in teaching our children important and beneficial 21st Century Skills that will prove necessary for the “next generation” of adults. S.T.E.M. problem-based learning activities will peak our students’ curiosity and interest as well as their ability to “think outside of the box”. We are determined to improve our youngsters understanding of how the world functions and want to empower them to lead the way!