MATH PROC 9-10 F: G How can students use precise mathematical language and notation to write clearly and coherently about the mathematics involved in creating a sound communication system.

ENG LRTR 9-10 E, F Can students analyze the use of a genre of drama to express a theme or topic and identify and analyze author’s use of figurative language, sound devices and literary techniques to shape plot, set meaning and develop tone? ENG WRTP 8-10 E, H Can you apply tools to judge writing?

ENG WRIT A 11-12 C How can students produce a functional document that reports, organizes and conveys information and ideas accurately, focuses reader on problems or misunderstandings, and includes formatting techniques that are user friendly?

PHYS 9-10 F How is energy conserved?

PHYS 9-10 G What are the features and properties of waves?

PHYS 9-10 H How are frequency and wavelength related in instruments?

INQR 9-10 A, KNWG 9-10 B, KNWG 11-12 A What is the scientific process for creating a tuned instrument?

EGR 3.6, Explain and apply the fundamentals of engineering and science drawings, schematics, specifications and diagrams: Production of schematics, 3-D line and 3-D drawings.

EGR 11.1, Apply the steps of the design process to solve a variety of design problems: Construction of an electrical component.

EGR 2.13, Demonstrate the effective use of technology: Use of electronic test equipment, multi-meters and other diagnostic instruments.

EGR 1.5, Employ critical thinking and problem solving skills independently or in teams to formulate solutions to problems: Principles, Theories, Rules, Laws. Formulate pertaining to engineering design and implementation.

SS SKLS 3-10 A, How can students detect bias and propaganda? Propaganda in primary and secondary sources?

SS PEPL 9-10 C, How can advances in communication and transportation impact cooperation and conflict?

Art History 5-12 D Select a culture and create an original work of art that demonstrates understanding of a historical, social or political issue of the culture.

Art Aesthetics 9-12 C Judge the merit of selected works and provide the aesthetic basis for their positions.

Art APPL 9-12 B Formulate and solve a visual art problem using strategies and perspectives from other disciplines.