**Robotics 11**

**Major Learning Outcomes - The Instructional Component Focus**

* + - * the continued development of an understanding of the design process as it relates to Science, Engineering and other fields,
      * the continued development of an understanding of the history of technological development (with an emphasis on robotics),
      * the continued development of the ability to act on and make projections from a base of technological knowledge,
      * explore both the potential and limitations of science, technology, engineering and mathematics to solve a variety of problems ,
      * continue to develop theuse of collaborative skills to set and achieve team planning goals,
      * the development of an awareness of both basic safety skills in workplace locations and the daily use of that knowledge to create a safe work environment,
      * the continued development of building skills (from provided materials) and independently developed materials,
      * the continued development of programming skills in both NXT-G and Robot C,
      * the development of student planning skills and the use of planning tools to create both medium and long-term career plans related to this course and other fields of interest.