



J. L. Mann Academy of Mathematics, Science, and Technology Technology Pathway Checklist (sample**) Course of Studies for Magnet Distinction Award



**** The suggested plan below does NOT show credits earned in middle school. Credits earned before 9th grade permit more electives and flexibility in schedule. SC graduation requirements are included in the course of study below. Students in this pathway should be Keyboarding proficient by the start of the freshman year. Technology magnet completers will earn 6 credits in approved coursework.**

9th Grade

- ☐ English 1 (CP, H) or English 2 Honors
- ☐ Algebra 1 (CP, H) or higher _____
- ☐ Biology CP or Phys Sci H
- ☐ Global Studies 1 (CP, H) or AP Human Geog
- ☐ Fine Arts _____
- ☐ Foreign Lang 1 (CP, H) _____
- ☐ PE or ROTC _____

10th Grade

- ☐ English 2 (CP, H) or English 3 Honors
- ☐ Geometry (CP, H) or higher _____
- ☐ Phy Sci (CP, H) or Biol H or Chem H
- ☐ Global Studies 2 (CP, H) or US His (CP, H, AP)
- ☐ **Computer Apps**
- ☐ **Intro to Engineering Design or Web I**
- ☐ Foreign Lang 2 (CP, H) _____

11th Grade

- ☐ English 3 (CP, H) or English 4 H or AP Lang
- ☐ Algebra 2 (CP, H) or higher _____
- ☐ Chemistry (CP, H) or Biology H
- ☐ US History (CP, H, AP) or Gov't/Econ
- ☐ **Web II or Tech PW Elective**
- ☐ Foreign Lang 3 (CP, H) _____
- ☐ Elective _____

12th Grade

- ☐ English 4 (CP, H) or AP Lang or AP Lit
- ☐ Pre-Calculus (CP, H) or higher _____
- ☐ Gov (.5) /Econ (.5)(CP, H) _____
- ☐ Elective
- ☐ **Graphic Arts and/or Tech PW Elective**
- ☐ **Computer Science (CP, AP)**
- ☐ **Technology Elective** _____

or 11th Grade & 12th Grade

Upon approval, students may enroll at a Career Center in a technology-related program. _____

* Students must be Keyboarding Proficient at start of Sophomore year, take **one fine arts unit** and **3 or more of the same Foreign Language units**. Students have the responsibility of knowing prerequisites for all Technology courses.

Technology units must include AP Computer Science and 1 PLTW credit. Completers will earn 6 technology credits which includes the computer science SC Diploma credit. Students must have taken and passed Biology in order to meet graduation requirements and complete two additional lab sciences. Graphic Arts and AP Design 2 is considered a Tech credit (check the prerequisites). Student Publications or ROTC (3rd or 4th year) may be used for ONE Tech credit. Beginning with the class of 2013, all magnet students must follow a Magnet Distinction pathway and complete an Independent Senior Project by January of their senior year (see GCS Magnet Academies Senior Project Handbook). Home base students may choose to participate in the MD program.

Course offering/sequence is subject to change, based on SDE graduation or other requirements.

CP = College Prep

H = Honors

AP = Advanced Placement

Please note: Magnet requirements may be subject to change depending on courses offered each year.