

J. L. Mann Academy of Mathematics, Science, and Technology

Science 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. Science magnet completers will earn 7 science and 4 math credits OR 6 science and 5 math credits.**

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 (choice)
- ☐ Foreign Language (CP, H) _____
- ☐ PE or ROTC _____

10th Grade

- ☐ English 2 (CP, H) or English 3 Honors
- ☐ Geometry (CP, H) or higher _____
- ☐ **Physical Science (CP, H) or**
- ☐ **Biology H and Chemistry H**
- ☐ Global Studies 2 (CP, H) or US Hist (CP, H, AP)
- ☐ Foreign Language (CP, H) _____
- ☐ Elective _____

11th Grade

- ☐ English 3 (CP, H) or English 4 H or AP Lang
- ☐ Algebra 2 (CP, H) or higher _____
- ☐ **Chemistry CP or Science Elective** _____
- ☐ US History (CP, H, AP) _____
- ☐ Computer Science (CP, AP) or ELECTIVE _____
- ☐ Foreign Language (CP, H) _____
- ☐ **Science Elective (CP, H, AP)** _____

12th Grade

- ☐ English 4 (CP, H) or AP Lang or AP Lit
- ☐ Pre-Calculus (CP, H) or higher Math _____
- ☐ **Science Elective (CP, H, AP)** _____
- ☐ **Science or Math Elective (CP, H, AP)**
- ☐ Government (.5) + Economics (.5) (CP, H) _____
- ☐ Computer Science (Cp, AP) or ELECTIVE _____
- ☐ Elective _____

or 11th Grade & 12th Grade

Upon approval, students may enroll at a Career Center in a science-related program to meet Magnet requirements.

+Science units must include at least one course on the AP level and three laboratory sciences. Students must have taken and passed Biology in order to meet graduation requirements. 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.

* Magnet students must earn **one fine arts unit** and **3 or more of the same Foreign Language credits**. Students may be "completers" in the JROTC program while earning Magnet Distinction.

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.