## KAMSC Course Selection Planner - 2019-20

### Grade 10

**MATH (choose 1):**
- Integrated Math II
- Integrated Math III
- AP Calculus AB
- Advanced Calculus

**SCIENCE & COMPUTER SCIENCE:**
- Chemistry (required)
- Computer Studies (required)

**ENRICHMENT (in addition to the above):**
- Evol. of Sci. Thought 1 (Sem1)
- Current Topics in Science (Sem2)

**NOTES to ALL Grade Levels:**
- Unless indicated otherwise, all courses are full-year, for 1 credit. Single-semester courses are 1/2 credit.
- Evolution of Scientific Thought and Bio-Ethics meet before or after regular school hours.
- Indep. Research is available by prior arrangement only. See ??? for an application.

### Grade 11

**MATH (choose at least 1):**
- Integrated Math III (4/5)
- AP Calculus AB (5/6) or BC (4)
- Advanced Calculus (5)
- Discrete Math (5-Sem1)

**LAB SCIENCE (choose at least 1):**
- Physics (required)
- AP Biology (4/6)
- Biomedical Science (4)
- Materials Science (4)
- AP Environ. Science (5)
- AP Chemistry (5)
- Organic & Bio- Chemistry (6)
- Microbiology (7-Sem1)
- N/A Human Genetics (7-Sem1)

**COMPUTING & ELECTIVES:**
- AP Statistics (4/6, priority: SRs)
- AP Computer Science (6)
- Advanced CS (5-Sem2)

**ENRICHMENT (in addition to the above):**
- Research Team (full-year = 1/2 Cr.)
- Evol. of Sci. Thought 2 (7-Sem1 only)
- Bio-Ethics (7-Sem2 only)

### Grade 12

**MATH (choose at least 1):**
- AP Calculus AB (5/6) or BC (4)
- Advanced Calculus (5)
- AP Statistics (4/6)
- Discrete Math (5-Sem1)

**LAB SCIENCE (choose at least 1):**
- AP Physics C (6) (math or sci.)
- AP Biology (4/6)
- Biomedical Science (4)
- Materials Science (4)
- AP Environ. Science (5)
- AP Chemistry (5)
- Organic & Bio- Chemistry (6)
- Microbiology (7-Sem1)
- N/A Human Genetics (7-Sem1)
- Geology (7-Sem1) ***
- Astronomy (7-Sem2) ***

**COMPUTING & ELECTIVES:**
- AP Computer Science (6)
- Advanced CS (5-Sem2)
- Research Team (full-year = 1/2 Cr.)

**ENRICHMENT (in addition to the above):**
- Evol. of Sci. Thought 2 (7-Sem1 only)
- Bio-Ethics (7-Sem2 only)

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**NOTES to ALL Grade Levels:**
- These are for CR/NC only, and they meet on Weds. at 7 AM
- Juniors & Seniors are required to have a minimum of three (3) KAMSC classes:
  - MATH + LAB SCIENCE + "OTHER" (not including BioEthics & EvolSci)

*** : Enrollment may be subject to a lottery