

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):

NOTE: These are for CR/NC only, and they meet on Weds. at 7 AM

- 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)

Juniors & Seniors are required to have a minimum of three (3) KAMSC classes:
 >> MATH + LAB SCIENCE + "OTHER" <<
 (not including BioEthics & EvoSci)

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)

*** : Enrollment may be subject to a lottery