

SENTINEL SECONDARY

Advance Placement Information Evening
January 16th, 2026

AP Courses

Grade 11 (completed):

- AP Physics 1
- AP Physics 2
- **AP Seminar**
- AP Statistics
- AP Calculus AB

Grade 12:

- AP Chemistry
- AP Biology
- **AP Research**
- **AP Literature**
- **AP Language**

Academic interests

- University Research
- Planning to study Neuroscience or biology for undergraduate
- Aspiring physician, hopefully medical school in the future

AP Research Capstone

RESEARCH QUESTION:

How do recent breakthroughs in artificial intelligence within medicine influence high school students' perceptions of the healthcare field and their interest in pursuing medical careers?

1. Source reading/evaluation!
2. Research question
 - a. More reading, question revision!
3. Inquiry Proposal
4. Literature review
5. Methodology
6. Collecting Data
7. Research paper!



How AP Helps

Explore Academic Interests

- Exploring specialized subjects at high levels
- Discovering personal preferences



Work Habits

- Managing university-level course load
- Encouraging genuine learning - AP Exam is cumulative!



Future Benefits

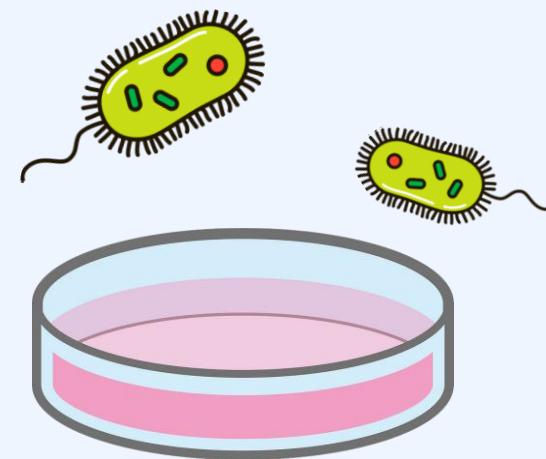
- **University Credits**
 - Scoring 4s and 5s typically grant coursework credits for first year
- **Admissions Process**
 - Course rigor + Weighted GPA
 - Heavily improved essay writing skills
 - 3 current early offers for Sciences/Health science programs
- **Scholarship Applications**
 - BC Excellence, Wolf

AP courses

- AP Seminar → complete
- AP Calculus AB → complete
- AP Biology
- AP Chemistry
- AP Physics 1/2
- AP Psychology
- AP English Language and Composition
- AP English Literature and Composition
- AP Research...

AP Research Project

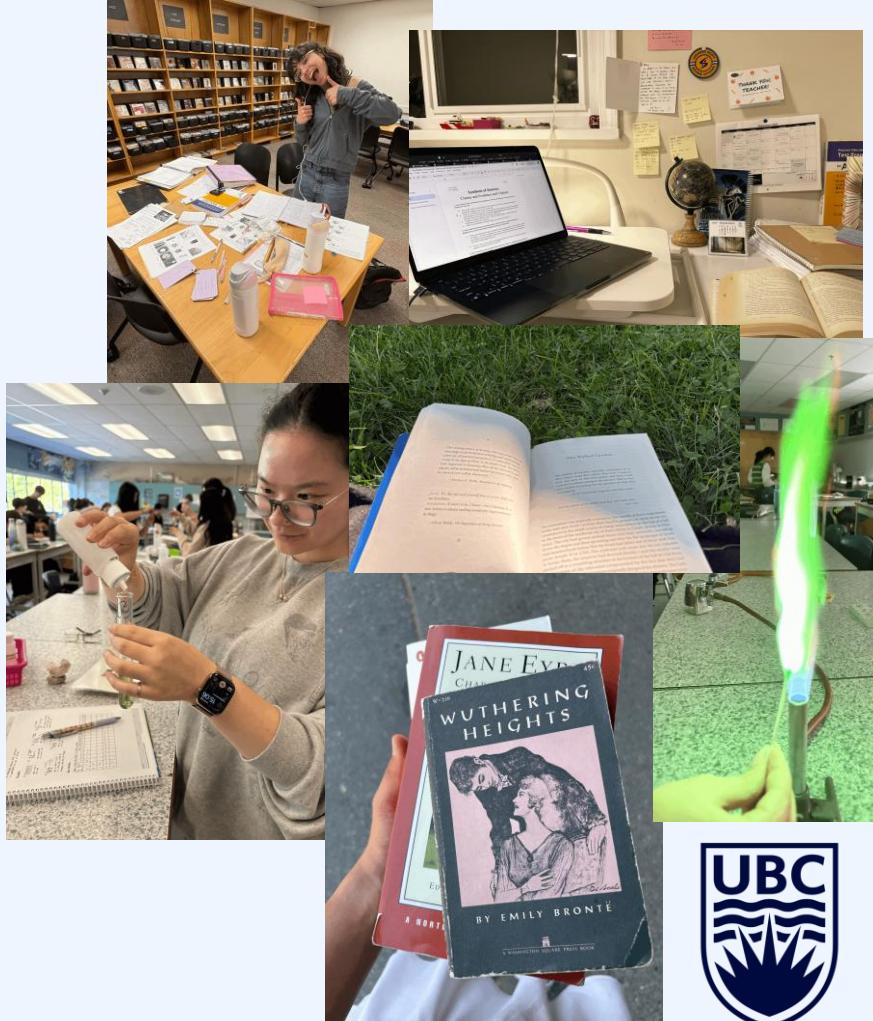
To what extent do acidic oral pH levels caused by carbohydrate consumption impact the efficacy of ampicillin on *Streptococcus mutans*?



- Literature Review
- Method & Data Collection → wet lab experimentation!
 - Can go whatever route you wish
- Analysis & Discussion
- Presentation & Oral Defense

Benefits of AP... within school

- University level concepts
 - can replace university courses
 - fully prepares you for intensity of future learning
- Focus on *real* learning, not just testable materials



- Learning how to read, write, and reason at a high level → uni + scholarship apps, interviews
- Finding joy in *not* knowing something and figuring it out
- Learning to believe in self → Stepping out of comfort zone



Benefits of AP... outside of school

- Again... ~~comfort zone~~
- SSPI → fully funded college-level research and learning 4000 km away from home...
- Work experience:
 - BC Children's hospital
 - Systematic reviews, clinical studies, grant proposals



AP has pushed me to be a better scientist, writer, critical thinker, and human being

Agenda



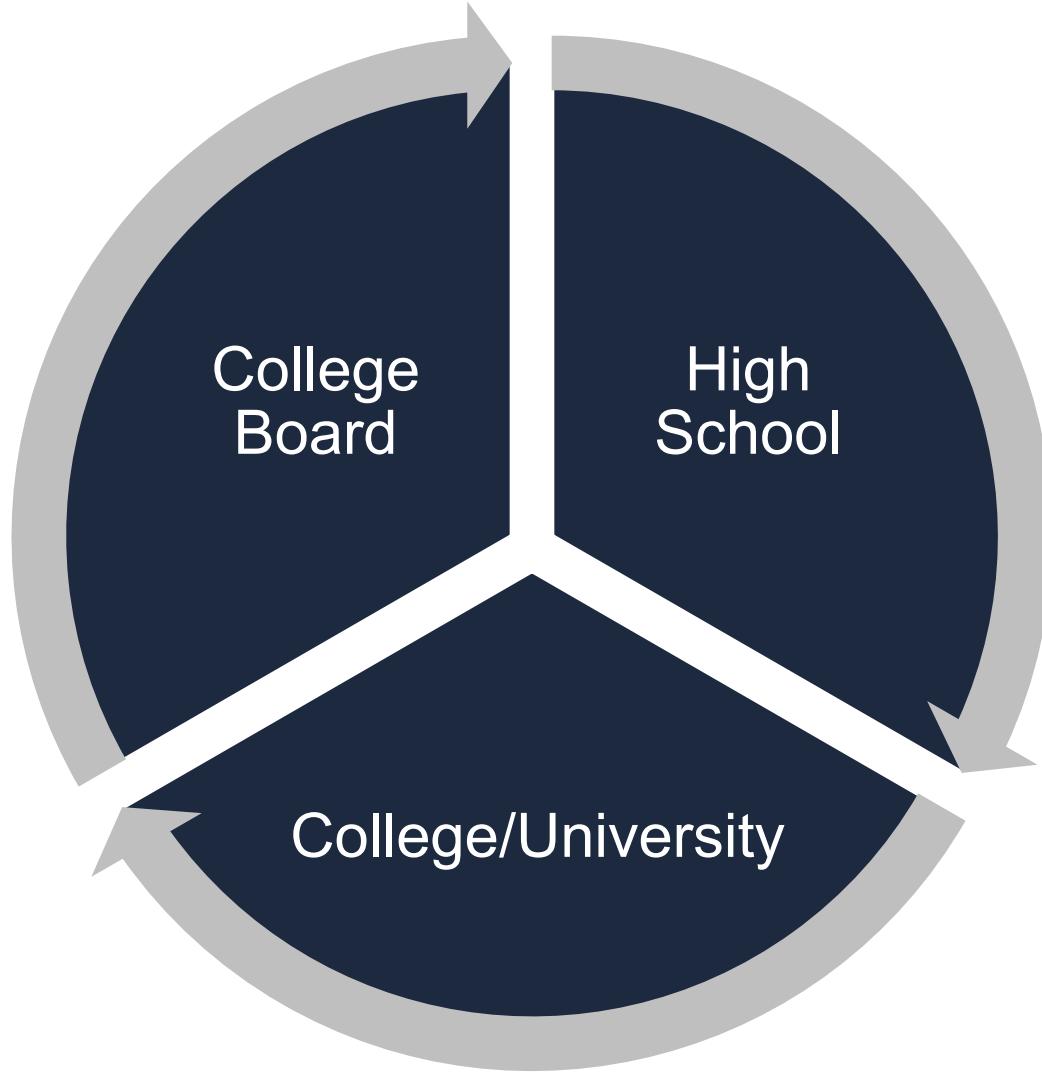
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- ❖ Advanced Placement Student Perspective (Arina & Nathaniel)
- ❖ What is the Advanced Placement Program
- ❖ Sentinel's Advanced Placement Program
 - ❖ Expectations
 - ❖ Courses Offered
- ❖ Advanced Placement Exams
- ❖ Sentinel Performance
- ❖ Costs
- ❖ Contacts

What is the Advanced Placement Program



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Benefits of AP Program



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- ❖ Provide college credits for courses and examinations successfully taken in high school.
- ❖ Exempt them from some introductory college courses, thus permitting them to move more quickly into advanced classes.
- ❖ Motivate them to attempt more challenging courses in both high school and college.
- ❖ Reduce college/university costs and time to obtain a degree.

Benefits of AP Program

- ❖ Develop, in a high school environment, the study skills and habits they will need in college.
- ❖ Bolster their confidence that they can meet college requirements.
- ❖ Reduce college/university costs and time to obtain a degree.



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Appropriate Grade Levels for AP Courses

- ❖ AP courses are best positioned as part of a student's 11th and 12th grade academic experience.
- ❖ Students should develop the necessary skills and conceptual understandings in foundational courses prior to enrolling in AP.
- ❖ Student strength and passion in areas of study.
- ❖ Fast paced, rigorous, university level material.

AP Capstone Program



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- ❖ The AP Capstone Program is a two-course sequence of AP Seminar and AP Research that allows students to explore real-world issues while developing analytic, research, problem-solving, and communication skills

- ❖ AP Seminar (Grade 11)
 - ❖ Team Project & Presentation
 - ❖ Research-Based Essay & Presentation
 - ❖ Written Exam

- ❖ AP Research (Grade 12)
 - ❖ Academic Thesis
 - ❖ Public Presentation & Defense

AP Capstone Diploma



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- ❖ 4 AP courses and exams taken at any point throughout high school, and scores of 3 or higher on the AP Seminar and AP Research exams, award students the AP Capstone Diploma

Sentinel Secondary's AP Program



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- ❖ Students complete their AP courses at Sentinel by writing their AP exams in May.
- ❖ Only students who complete their AP courses at Sentinel are permitted to write the AP exams at the school.
- ❖ Students cannot write an AP exam at Sentinel without having taken the course.

Pre-AP Course Offerings



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Grade 10

- ❖ Pre-AP EFP Literary Studies 10 and EFP Writing 10
- ❖ Pre-AP Foundations of Mathematics and Pre-Calculus 10

Grade 11

- ❖ AP Art 11
- ❖ AP Life Science 11
- ❖ AP Chemistry 11
- ❖ AP Literary Studies 11
- ❖ AP Physics 1
- ❖ AP Pre-Calculus 11
- ❖ AP Seminar 11

AP Courses with Portfolios or Exams

- ❖ AP 2-D Art and Design 12
- ❖ AP 3-D Art and Design 12
- ❖ AP Drawing 12
- ❖ AP Biology 12
- ❖ AP Calculus AB 12 (BC Exam)
- ❖ AP Chemistry 12
- ❖ AP Chinese Language & Culture 12
- ❖ AP Computer Science A
- ❖ AP Computer Science Principles 12
- ❖ AP English Language and Composition 12
- ❖ AP English Literature and Composition 12
- ❖ AP French Language and Culture 12
- ❖ AP Japanese Language and Culture 12
- ❖ AP Physics 1
- ❖ AP Physics 2
- ❖ AP Psychology 12
- ❖ AP Research 12
- ❖ AP Seminar 11
- ❖ AP Statistics

AP Calculus AB/BC Change



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- ❖ AP Calculus BC will no longer be a course offered at Sentinel.
- ❖ Students registered in AP Calculus AB for the 2026-2027 school year and future school years will be given the choice to write the AB or BC exam in May of the school year they are registered in.

College Board on AP Exams



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- ❖ “Colleges/Universities want to see you are taking the most rigorous coursework available to you.”
 - ❖ This does not necessarily mean the total number of courses.
- ❖ “By enrolling in AP courses, you demonstrate that you are interested in challenging yourself and learning at a college/university level.”

College Board on AP Exams



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- ❖ The College Board recommends that students take the AP course before taking an AP exam.
- ❖ The College Board offers AP Exams to students who have not taken the course “to be sure homeschooled students and students in schools that don’t offer AP can take AP Exams.
- ❖ Student who register with another school to write an AP exam for a course they are not taking at Sentinel must not use Sentinel’s College Board code, rather the homeschool one which is 970000

AP Examination Grades



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- ❖ The final grade is reported on a 5-point scale. A score of 3 or higher indicated success on the AP exam.
 - ❖ 5 = extremely well qualified
 - ❖ 4 = well qualified
 - ❖ 3 = qualified
 - ❖ 2 = possibly qualified
 - ❖ 1 = no recommendation

Sentinel's AP Performance 2023

Average Scores out of 5

Sentinel	Global
4.10	2.96

Percentage of Scores 3 or Higher

Sentinel	Global
96.51%	67.8%

Costs of the Advanced Placement Program

- ❖ No application fees to AP courses in school
- ❖ Some AP Course have course fees for materials
- ❖ \$98 USD for each AP examination a student takes
- ❖ To cover the cost related to administration of the AP exams, Sentinel students are charged \$160 CAD (this covers the exam fee, the cost of additional invigilators, and other exam-related costs including technology).

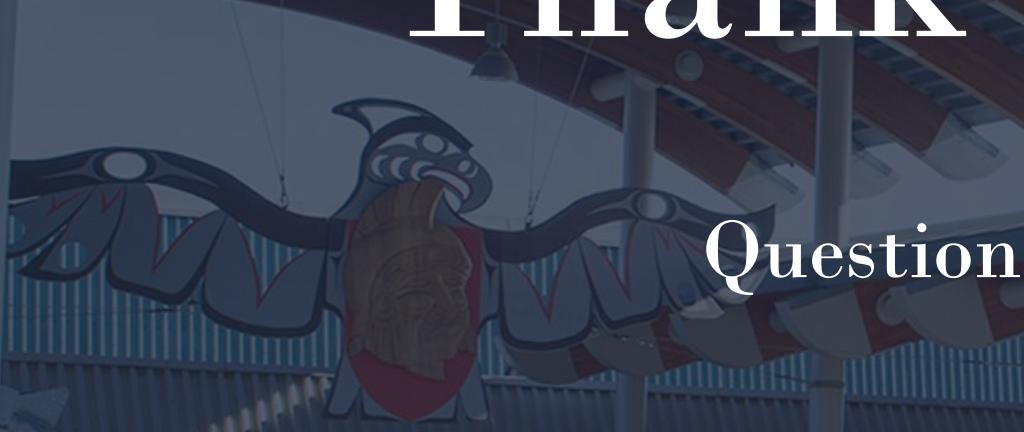
Contacts



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Thank you!

Questions?