

# Advanced Placement Program Virtual Delivery Model

Mathematics/Calculus 42S

English: Literature and Composition 42S

Science: Biology 42S and Chemistry 42S



# Acknowledgment & Welcome



## English

We [I] would like to begin by acknowledging that Prairie Rose School Division is in Treaty 1 territory and that the land on which we gather is the traditional territory of the Anishinaabe, and the homeland of the Métis Nation. We respect the Treaties that were made on these territories, we acknowledge the harms and mistakes of the past, and we dedicate ourselves to move forward in partnership with Indigenous communities in a spirit of reconciliation and collaboration.

## Francais

Nous tenons [Je tiens] d'abord à souligner que nous nous trouvons sur le territoire visé par le traité no 1 et que les terres sur lesquelles nous sommes rassemblés font partie du territoire traditionnel des peuples anishinabé, et de la patrie de la nation métisse. Nous respectons les traités qui ont été conclus relativement à ces territoires, nous reconnaissons les préjudices et les erreurs du passé, et nous nous engageons à aller de l'avant en partenariat avec les collectivités autochtones dans un esprit de réconciliation et de coopération.

<http://www.prsdmb.ca/wp-content/uploads/2020/05/School-Administration-AP-224-Formal-Treaty-and-Territorial-Recognition-and-Acknowledgement.pdf>



## Advanced Placement Program – Background



- The Advanced Placement Program (AP) provides opportunities for students to participate in college or university level courses while still in high school.
- AP courses are recognized for advanced credit or advanced placement in many Canadian and American universities and colleges.
- Students not only gain university-level skills, but in many cases they also earn university credit while still in high school.
- AP courses are taught by dedicated, enthusiastic, and trained high school teachers who follow course guidelines developed and published by the College Board.

# Advanced Placement Program



The AP Program's success is rooted in the collaborative efforts of motivated students, dedicated teachers, and committed schools.

By participating in the AP Program, secondary schools and students commit to an internationally standardized curriculum and exam.

There are currently more than 110,000 teachers leading AP courses in high schools worldwide. AP teachers are academically focused and their teaching and technology delivery skills are strengthened by their participation in professional development workshops and Summer Institutes.

## Advanced Placement Program Student Benefits and Advantages



“Research on the effects of taking AP courses has demonstrated that when AP students reach the post-secondary level, they typically enroll in more courses than their peers, achieve higher grade point averages, graduate with double majors, and go on to graduate school at a rate double that of their non-AP peers.” - The College Board

Students will be better equipped for the demands of university work. “59% of AP students earn a GPA of at least a B during their freshman year compared to 37% of non AP students.” - The College Board.

# Advanced Placement Program Student Benefits and Advantages



Students will experience enriched programming and university-level curriculum that is taught by supportive and dedicated teachers through virtual/remote learning classrooms.

Students will be better prepared for the transition from high school to a post-secondary setting where virtual/remote learning will be an important post-secondary delivery model.

Students will be motivated to undertake more challenging work.

Students will be given the opportunity to study their special interests areas in more depth with peers of similar interests and motivation.

## Advanced Placement Program Student Benefits and Advantages



Students will be rewarded with a tremendous sense of accomplishment and international credibility of their academic abilities by meeting the challenge of national and international standards.

Students will gain greater insight into their selection of university programs.

Students who demonstrate outstanding achievement in AP courses may compete for national and international awards.

Students may receive college/university credits for courses taken in high school which is a financial savings and allows more time for additional courses at university.

## How Difficult are AP Courses?



Compared to approved Manitoba Education credit courses, grades 10-12 AP pathway courses will be more challenging, enriching, and will better prepare students for post-secondary studies. Critical reading, analyzing data sets and synthesizing evidence to develop new insights are some of the intellectual skills required.

The AP designated courses, **Mathematics/Calculus 42S, English Literature and Composition 42S, Biology 42S, and Chemistry 42S** will be comparable to first-year university courses in level of difficulty.

## Advanced Placement Examinations



For each AP 42S course in Year III, students write a three-hour exam in May at their local school. Exams are sent to the Education Testing Service as contracted by the College Board. Test results can be sent directly to universities or colleges as directed by the students. Students can decide after receiving the grade in July if they want their grades forwarded.

Exams receive an overall grade on a five-point scale.

- 5 – Extremely well qualified
- 4 – Well qualified
- 3 – Qualified
- 2 – Possibly qualified
- 1 – No recommendation

# Advanced Placement Examinations



Each college and university sets its own policies regarding the grading of credit or advanced placement.

Students must check directly with the institution.

Most institutions accept a grade of 3.

# Mathematics/Calculus 42S Credit Pathway



## Grade 9 – School-Based/In-Class Instruction

- Full Year, Single Credit - Mathematics 10F

## Grade 10 – Virtual/Remote/AP Designated Teacher

- Semester I – Introduction to Pre-Calculus/Applied 20SA
- Semester II – Applied Mathematics 30SA

## Grade 11 – Virtual/Remote/AP Designated Teacher

- Semester I - Pre-Calculus 30SA
- Semester II – Pre-Calculus 40SA (Manitoba Education Standards Test/Exam)

## Grade 12 – Virtual/Remote/AP Designated Teacher

- Semester I – Introduction Calculus/Advanced Mathematics 40S
- Semester II – Calculus AP 42S (AP Exam)

# English: Literature and Composition AP 42S – Credit Pathway



## Grade 9 – School-Based/In-Class Instruction

- Full Year, Single Credit – English Language Arts 10F

## Grade 10 – Virtual/Remote/AP Designated Teacher

- Semester I – English Language Arts 20FA
- Semester II – English: Transactional Focus 30SA

## Grade 11 – Virtual/Remote/AP Designated Teacher

- Semester I – English: Comprehensive Focus 30SA
- Semester II – English: Literary Focus 30SA

## Grade 12 – Virtual/Remote/AP Designated Teacher

- Semester I – English: Literary Focus 40SA (Manitoba Education Standards Test/Exam)
- Semester II – English Literature & Composition AP 42S (AP Exam)

# Science: Biology 42S and Chemistry 42S – Credit Pathway



## Grade 9 – School-Based/In-Class Instruction

- Semester I or II – Science 10F

## Grade 10 – Virtual/Remote/AP Designated Teacher

- Semester I – Science 20FA
- Semester II – Biology 30SA

## Grade 11 – Virtual/Remote/AP Designated Teacher

- Semester I – Biology 40SA
- Semester II – Biology AP 42S (AP Exam)
- Chemistry 30SA

## Grade 12 – Virtual/Remote/AP Designated teacher

- Semester I – Chemistry 40SA
- Semester II – Chemistry AP 42S (AP Exam)

## Student Profile - Advanced Placement Program



AP students are motivated, committed, and focused on their academic goals.

AP students may choose to focus on one AP course in a subject area that is of interest to them or they may choose to pursue multiple courses from the AP program menu.

It is important for AP students to consider their course selections so that other courses, extra curricular pursuits, and commitment outside of school can be part of a balanced, healthy school experience.

# Teacher Profile - Advanced Placement Program



## Who will be teaching the AP courses?

- a passion for learning and the subject area
- an innovative approach in delivery to meet the needs of all learners
- a progressive pedagogical approach to handle rigorous content, demanding timelines, and the inherent challenges of virtual learning
- Has confidence in facilitating an online learning environment
- Has excellent time management skills to handle the academic rigor and long-term planning required
- will be able to remain committed to the scope and sequence of a schedule that covers an extensive curriculum
- will work in conjunction with the College Board for guidance, recommendations, and requirements
- will demonstrate a willingness to participate in training sessions provided by the College Board

## Virtual/Remote Classrooms – Advanced Placement Program



The AP Program's virtual/remote classrooms will provide students with the opportunities to delve deeper into subjects that interest them, develop advanced research and communication skills, and learn to tap their creative, problem solving, and analytical potential.

# Program Implementation and Student Registration Process 2021-2022



With 2021-2022 being Year I of a three year AP implementation plan, only 2020-2021 Grade 9 students will be able to register for Year I AP courses for 2021-2022. (Example) If a student is interested in the Mathematics/Calculus 42S AP program, the student will need to select Pre-Calculus/Applied Math 20SA and Applied Mathematics 30SA.

At the completion of this year's course selection process, student course selections for the required Year I AP courses will be tabulated to determine student interest and to determine if one, two, or three of the AP pathways have sufficient and sustainable student interest to proceed as per implementation pathway.

Once AP pathway decisions are finalized, students are advised, and AP teacher recruitment begins for successful launch in September 2021.

# Questions & Closing Remarks

