

## AP (Advanced Placement) Courses

| AP ART              |   |            |  |         |
|---------------------|---|------------|--|---------|
| Course #            | Course Title  | Credits    | Prerequisites  | Offered |
| T6094F<br>T6096W    | AP Art History, part 1, Tonka Online<br>AP Art History, part 2, Tonka Online  | .5<br>.5   | None   | 10-12   |
| AP602<br>AP603      | AP Studio Art, S1<br>AP Studio Art, S2  | 1.0        | Successful completion of two or more semesters of art; Drawing highly recommended                            | 11-12   |
| AP COMPUTER SCIENCE |   |            |  |         |
| Course #            | Course Title  | Credits    | Prerequisites  | Offered |
| AP650<br>AP652      | AP Computer Science A, S1<br>AP Computer Science A, S2  | .5<br>.5   | C or better in Higher Algebra or Higher Algebra Honors. See "Computer Science" pathways for recommendations. | 9-12    |
| AP654<br>AP656      | AP Computer Science Principles, S1<br>AP Computer Science Principles, S2  | .5<br>.5   | C or better in Algebra; Introduction to Computer Science is recommended but not required                     | 9-12    |
| T6500F<br>T6502W    | AP Computer Science Principles, part 1, Tonka Online<br>AP Computer Science Principles, part 2, Tonka Online        | .5<br>.5   |  |         |
| AP ENGLISH          |   |            |  |         |
| Course #            | Course Title  | Credits    | Prerequisites  | Offered |
| AP100<br>AP101      | AP Language and Composition 10, S1<br>AP Language and Composition 10, S2  | 0.5<br>0.5 | Any English 10 Course  | 10      |
| AP102<br>AP103      | AP Literature and Composition, S1<br>AP Literature and Composition, S2  | .5<br>.5   | Any English 10 Course  | 11-12   |
| AP104<br>T1100      | AP Language & Composition 12<br>AP Language & Composition 12, Tonka Online<br>Select Term: T1100S / T1100F / T1100W | .5<br>.5   | Any English 11 Course  | 12      |
| AP107<br>AP108      | AP Seminar, S1<br>AP Seminar, S2  | .5<br>.5   | Any English 10 or 11 Course  | 11-12   |
| V102                | AP Seminar, part of VANTAGE Global Business   | 1.0        | Any English 10 or 11 Course  | 11-12   |
| AP105<br>AP106      | AP Research   | 1.0        | AP Seminar (either AP107/AP108 or VANTAGE V102)  | 12      |

## AP (Advanced Placement) Courses

| AP MATH    |   |         |   |         |
|------------|---|---------|---|---------|
| Course #   | Course Title  | Credits | Prerequisites   | Offered |
| T7206S     | Pre-AP Calculus, summer only, Tonka Online                          | .5      | Successful completion of Precalculus  | 9-12    |
| AP400      | AP Statistics, S1   | .5      | Successful completion of Math Studies; Functions, Stats & Trig, Precalculus; Tonka Online FST Pre-AP Stats Prep; or teacher recommendation. This course may also be taken through VANTAGE course #V100 (Gr 11-12) | 10-12   |
| AP402      | AP Statistics, S2   | .5      |   |         |
| T4100      | AP Statistics, part 1, Tonka Online<br>Select Term: T4100F / T4100W | .5      |   |         |
| T4102      | AP Statistics, part 2, Tonka Online<br>Select Term: T4102F / T4102W | .5      |   |         |
| AP404      | AP Calculus AB, S1  | .5      | C or better in Precalculus, Precalculus Honors or Calculus  | 11-12   |
| AP406      | AP Calculus AB, S2  | .5      |   |         |
| AP408      | AP Calculus BC, S1  | .5      | C or better in AP Calculus AB or B+ or better in Calculus.  | 11-12   |
| AP410      | AP Calculus BC, S2  | .5      |   |         |
| AP MUSIC   |   |         |   |         |
| Course #   | Course Title  | Credits | Prerequisites   | Offered |
| AP660      | AP Music Theory   | .5      | A or B in Theory 1 or pretest/application prior to registration   | 10-12   |
| AP SCIENCE |   |         |   |         |
| Course #   | Course Title  | Credits | Prerequisites   | Offered |
| T7202S     | Pre-AP Chemistry, summer, Tonka Online                              | .5      | Students should be registered for AP Chemistry in the fall; this is an optional course for preceding summer, elective credit  | 9-12    |
| AP304      | AP Chemistry, S1  | .5      | A or B in Physical Science Honors with teacher recommendation and A or B in Higher Algebra  | 10-12   |
| AP306      | AP Chemistry, S2  | .5      |   |         |
| T3100F     | AP Environmental Science, part 1, Tonka Online                      | .5      | Chemistry, Physical Science.<br>This course may also be taken through VANTAGE course #V300  | 11-12   |
| T3102W     | AP Environmental Science, part 2, Tonka Online                      | .5      |   |         |
| AP300      | AP Physics 1 – grade 9, S1  | .5      | 8th grade Physical Science at MME/MMW, Higher Algebra, and 99th percentile math & reading scores  | 9       |
| AP302      | AP Physics 1 – grade 9, S2  | .5      |   |         |

## AP (Advanced Placement) Courses

|        |  |    |   |       |
|--------|--|----|---|-------|
| AP316  | AP Physics 1 – grades 11-12, S1  | .5 | Physical Science, Chemistry and Precalculus   | 11-12 |
| AP318  | AP Physics 1 – grades 11-12, S2  | .5 |   |       |
| T7204S | Pre-AP Biology, summer only, Tonka Online                                | .5 | Students should be registered for AP Biology in the fall; this is an optional course for preceding summer, elective credit                                      | 10-11 |
| AP320  | AP Biology, S1   | .5 | Physical Science and Chemistry  | 11-12 |
| AP322  | AP Biology, S2   | .5 |   |       |
| T3104W | AP Physics C-Mechanics, winter, Tonka Online                             | .5 | Have completed or be enrolled in both AP Physics 1 AND a calculus course before or while taking AP Physics C-Mechanics Online.                                  | 10-12 |
| AP324  | AP Physics C–Electricity and Magnetism with topics in Modern Physics, S1 | .5 | Calculus course and AP Physics 1 (or another physics course with teacher recommendation). AP Physics C-Mechanics Online is highly recommended but not required. | 11-12 |
| AP326  | AP Physics C–Electricity and Magnetism with topics in Modern Physics, S2 | .5 |   | 11-12 |

### AP SOCIAL STUDIES

| Course # | Course Title                              | Credits | Prerequisites   | Offered |
|----------|---|---------|---|---------|
| AP200    | AP Human Geography, S1                    | .5      | B+ or better in 8th grade English and Social Studies; Year-long course.   | 9       |
| AP202    | AP Human Geography, S2                    | .5      |   | 9       |
| T7200S   | Pre-AP U.S. History, summer, Tonka Online | .5      | Students should be registered for AP U.S. History in the fall; this is an optional course for preceding summer, elective credit | 10      |
| AP204    | AP U.S. History, S1                       | .5      | Human Geography and Civics; AP Human Geography  | 10      |
| AP206    | AP U.S. History, S2                       | .5      |   | 10      |
| AP208    | AP European History, S1                   | .5      | Contemporary US Hist, AP U.S. History; American Studies 10 Honors (B or better)   | 11      |
| AP210    | AP European History, S2                   | .5      |   | 11      |
| T2112F   | AP European History, part 1, Tonka Online |         |   |         |
| T2114W   | AP European History, part 2, Tonka Online |         |   |         |
| AP224    | AP World History, S1                      | .5      | Contemporary U.S. History; AP U.S. History; American Studies 10 Honors (grade B or better)                                      | 11-12   |
| AP225    | AP World History, S2                      | .5      |   |         |
| T2102F   | AP World History, part 1, Tonka Online    | .5      |   |         |
| T2104W   | AP World History, part 2, Tonka Online    | .5      |   |         |

## AP (Advanced Placement) Courses

|                 |  |          |              |       |
|-----------------|--|----------|--------------|-------|
| AP214<br>T2110  | AP U.S. Government and Politics<br>AP U.S. Government and Politics, Tonka Online | .5<br>.5 | None<br>None | 11-12 |
| AP216<br>T2108S | AP Comparative Government<br>AP Comparative Government, Tonka Online             | .5<br>.5 | None         | 11-12 |
| AP218<br>T2106  | AP Macroeconomics<br>AP Macroeconomics, Tonka Online                             | .5<br>.5 | None         | 11-12 |
| AP220<br>T2100  | AP Psychology<br>AP Psychology, Tonka Online                                     | .5<br>.5 | None         | 11-12 |

### AP WORLD LANGUAGES

| Course #       | Course Title   | Credits  | Prerequisites   | Offered  |
|----------------|--|----------|---|----------|
| AP500<br>AP502 | AP French V, S1<br>AP French V, S2   | .5<br>.5 | French IV with permission from the instructor or IB French SL | 12<br>12 |
| AP504<br>AP506 | AP Spanish V Language & Culture, S1<br>AP Spanish V Language & Culture, S2   | .5<br>.5 | Spanish IV Honors   | 12<br>12 |
| IM104<br>IM106 | AP Chinese Language & Culture-IM, S1<br>AP Chinese Language & Culture-IM, S2 | .5<br>.5 | K-8 Chinese Immersion enrollment                              | 9-10     |
| IM204<br>IM206 | AP Spanish Language & Culture-IM, S1<br>AP Spanish Language & Culture-IM, S2 | .5<br>.5 | K-8 Spanish Immersion enrollment                              | 9-10     |

### VANTAGE: Minnetonka Advanced Professional Studies

| Course # | Course Title   | Credits | Prerequisites   | Offered |
|----------|--|---------|---|---------|
| V100     | <b>Business Analytics</b><br>AP Statistics (math credit) and<br>IB Business Management SL/HL (business elective)                                       | 2.0     | Interest in business and/or statistics  | 11-12   |
| V102     | <b>Global Business</b><br>AP Microeconomics (social studies credit)<br>AP Seminar (English credit)<br>IB Business Management SL/HL (business elective) | 3.0     | Interest in global business   | 11-12   |
| V200     | <b>Health Sciences</b><br>AP Psychology (social studies credit)<br>Anatomy (science credit)  | 2.0     | Physical science; algebra; interest in health sciences; chemistry strongly recommended. | 11-12   |

## AP (Advanced Placement) Courses

|      |  |     |  |       |
|------|--|-----|--|-------|
| V300 | <b>Global Sustainability</b><br>AP Environmental Science (science credit)<br>Global Studies and Economics (social studies credit)          | 2.0 | Biology G, AP Biology or IB Biology SL<br>Interest in sustainability | 11-12 |
| V500 | <b>User Experience (UX) Design</b><br>AP Computer Science Principles (computer science elective)<br>Digital Interface Design (arts credit) | 2.0 | Interest in how applications and websites are designed and developed | 10-12 |