**Typical Tesla STEM Student Schedule (2023-24)  
7 classes at STEM each year required**

|  |  |  |  |
| --- | --- | --- | --- |
| **9th Grade** |  | **10th Grade** | |
| 1. **Honors English 9** 2. **Math:** Algebra 1 **|** Geometry **|** Hon Alg 2 **|**Hon Pre-Calc 3. **Science:** Honors Physics 4. **Fine Art:** Graphic Production 5. **World Language:** HonorsSpanish 1, 2, or 3 6. **Elective:** AP Computer Science Principles 7. **Elective:** Entrepreneurship   . | 1. **Honors English 10** 2. **Math:** Geometry **|** Hon Alg.2 **|** Hon Pre-Calc **|** AP Calc AB 3. **Biology**: AP **OR** Honors 4. **Biology Lab** 5. **AP Environmental Science** 6. **World Language:** HonorsSpanish 1, 2, or 3   **OR Elective**  (if 2-year language requirement already met)   1. **Elective:**   (Choose from list below) | |
|  | | | |
| **11th Grade** |  | **12th Grade** | |
| 1. **English 11:** AP **OR** Honors 2. **Math:** HonAlg.2 **|** H Pre-Calc **|** AP Calc AB **|**AP Calc BC 3. **Honors U.S. History** 4. **Honors Chemistry**   *OR* **Elective** (if Chem already completed)   1. **Elective:**    Junior Lab Options: Choose ONE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  * *AP Psychology & Forensics (2 classes/ credits)* ***OR*** * *Environmental Engineering & Sustainable Design (1 class/credit)\**   **\*If you choose EESD you will need to also choose requires one additional elective:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** (Choose from list below) | 1. **English 12 – World Literature** 2. **Math:** Pre-Cal **|** AP Stats **|**AP Calc AB**|**AP Calc BC**|**MV Calc 3. **Honors Contemporary World Problems** 4. **Civics & Health** (1 sem. grad req each) via LWSD   *OR* **Elective**:(if Health and/or Civics already completed) \_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   1. **Elective:**    Senior Lab Options: Choose ONE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_   * *Advanced Biomed Lab & Honors Anatomy & Physiology (2 classes/credits)*   ***OR***   * *AP Physics C: Mechanics & AP Physics C: Electromagnetism (2 classes/credits)* | |
|  | | | |
|
| **Elective Options:** Engineering I Honors Chem Business/Economics (10th-12th) Engineering II AP Chemistry Digital Marketing & Social Media (11th/12th) Engineering III Honors Spanish 3  Independent Research (11th only) AP Comp Sci A Multivariable Calculus  Peer Tutoring (11th/12th) Data Structures  AP Statistics Advanced Projects | | | **Optional before/after school** Orchestra (2x/wk after school) Choir (2x/wk after school) Leadership (2x/wk before school) |

**STEM Class of 2023+ Minimum Graduation & University Requirements**

|  |  |  |  |
| --- | --- | --- | --- |
| **SUBJECT** | **MINIMUM**  **GRAD REQUIREMENTS** | **TESLA STEM COURSE OFFERINGS** | **UNIVERSITY**  **REQUIREMENTS** |
| **ENGLISH** | **4 Credits** | Honors English 9, Honors English 10, Honors or AP English 11, and English 12 | **All Universities**: 4 |
| **SOCIAL STUDIES** | **3 Credits** | Hn U.S. History, Hn Contemporary World Problems, Civics (0.5 credits), AP Psychology, Economics (0.5 credits) | **Minimum**: 3  **Competitive Universities**: 3-4 |
| **WORLD LANGUAGE** | **2 Credits**  *Must take* ***two years of the same language*** | Honors Spanish 1, 2, and 3 | **Minimum**: 2  **Competitive Universities**: 3-4 |
| **MATH** | **3 Credits** | Algebra 1, Geometry, Honors Algebra 2, Honors Pre-calculus, AP Statistics, AP Calculus AB, AP Calc BC, Multivariable Calculus, AP Comp Sci Principles, APCSA | **Minimum**: 3  **Competitive Universities**:  3-4 *(many Universities mandate Senior year Math)* |
| **SCIENCE** | **3 Credits** | Hon. Physics, Hon or AP Biology, Biology Lab, AP Environmental Science, Hon or AP Chemistry, Forensics, Environmental Engineering & Sustainable Design, AP  Physics C (x2), Hon Anatomy, & BioMed Lab | **Minimum**: 2  **Competitive Universities**: 3-4 |
| **FINE ARTS** | **2 Credits**  **\*\*STEM STUDENTS ONLY NEED 1.0** | Graphic Production, Orchestra, Choir | **Minimum**: .5 -1  **Competitive Art Universities**: 2-3 |
| **OCCUPATIONAL** | **1 Credit** | Environmental Engineering & Sustainable Design, Engineering 1-3, Forensics, AP Psychology, all Comp Sci classes, all  Business classes | **n/a** |
| **P.E.** | **0 for STEM students; PE proficiency waiver required to opt out of state credit requirement 🡪** | Complete and pass the  [LWSD PE Proficiency Written Plan](https://www.lwsd.org/schools/high-school/high-school-guide/physical-education-credit-options) in 11th OR 12th grade | **n/a** |
| **HEALTH** | **0.5 Credit** | LWSD Online Health course offered senior year |
| **ELECTIVES** | **Varies** | Advanced Science classes, Advanced Math,  Computer Sciences, Music, Engineering, Business, all other additional classes beyond those used to fulfil the previous section credit requirements |
| **TOTAL CREDITS** | **24 credits** |  | ***\*Check individual colleges for additional course requirements and testing requirements (ACT, SAT, etc.)*** |
| **STATE GRADUATION PATHWAY/TESTING REQUIREMENT** | | **Math** Smarter Balanced Assessment or Approved Graduation Pathway | |
|  | | **English** Smarter Balanced Assessment or Approved Graduation Pathway | |
| **HIGH SCHOOL & BEYOND PLAN REQ.** | | Xello lessons completed each year; final checkoff completed in Senior Year | |

*Math and World Languages are the only middle school classes that may receive high school credit*

LWSD graduation requirements can also be accessed at https://[www.lwsd.org/schools/high-school/high-school-guide](http://www.lwsd.org/schools/high-school/high-school-guide)

M Y H I G H S C H O O L A N D B E Y O N D P L A N

**4-YEAR COURSE PLANNER WORKSHEET**

**My Plan for after High School:**

**My Career or Career-Cluster interest:**

**How my** [**Graduation Pathway**](https://www.lwsd.org/schools/high-school/high-school-guide#fs-panel-85098) **will be met:**

**Directions:** List below the courses you have taken (or plan to take) each year in high school. Remember to include **at least 7 credits** for each school year.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SUBJECT AREA** | **GR 9** | **GR 10** | **GR 11** | **GR 12** |
| **English**  **Graduation Requirements 4 credits** |  |  |  |  |
| **Social Studies**  **Graduation Requirements 3 credits** |  |  |  |  |
| **Mathematics**  **Graduation Requirements 3 credits** |  |  |  |  |
| **Science**  **Graduation Requirements 3 credits** |  |  |  |  |
| **Health and Fitness – 2.0 credits**  **\*STEM takes 0.5 health credits and completes the fitness plan in lieu of PE credits** |  |  |  |  |
| **Arts** *or 1 Art and 1 PPR\**  **Graduation Requirements 2 credits  \*STEM takes 1.0 Art** |  |  |  |  |
| **World Language** *or PPR\**  **Graduation Requirements 2 credits** |  |  |  |  |
| **Career Technical - CTE**  **Graduation Requirements 1 credits** |  |  |  |  |
| **General Electives**  **Graduation Requirements 4 credits** |  |  |  |  |
| **TOTAL CREDITS**  **Students must earn 24 total credits to meet Graduation Requirements** | *Total 9th Grade Credits:* | *Total 10th Grade Credits*: | *Total 11th Grade Credits*: | *Total 12th Grade Credits*: |

**Requirements may vary. Please note:**

* ***The 4-Year Course Planner****– This document helps students determine their 4-year course sequence based on their High School and Beyond Plan (HSBP). It should be reviewed and updated yearly based on actual course enrollment. When selecting classes students should use Xello to review their Matchmaker results and saved careers. Career profiles in Xello inform students of potential courses that will prepare them for future interests and careers aligned to their HSBP. Please note, course offerings may be adjusted year to year and could be canceled if minimum enrollment numbers are not met. Listing a course as part of a student’s 4-year plan does not guarantee placement into the requested course.*
* ***Admissions Requirements*** *- Refer to specific college institutions’ admission requirements.*
* ***\*PPR****– Personalized Pathway Requirements, see LWSD Appendix H and Appendix G. Contact your HSBP Coordinator for more information.*