**110711 - AP Computer Science Principles**

**Grade Level:** 10 - 12 **Credits:** 1 **Description:** AP Computer Science Principles is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing changes the world. The course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of the field. Through both its content and pedagogy, this course aims to appeal to a broad audience. **Content:** Computer Science **Population:** General

**110710 - Introduction to Computer Science**

**Grade Level:** 9 - 12 **Credits:** 1 **Description:** Introduction to Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus on the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of the course is to develop in students the computational practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today’s students. Students will also be introduced to topics such as interface design, limits of computers, and societal and ethical issues. **Content:** Computer Science **Population:** General

**450616-Life 101 for Seniors**

**Grade Level:** 12 **Credits:** ½ **Description:** This class serves to prepare seniors for life outside LCHS.  It is meant to educate students on purchasing, financial, and workplace skills and decision-making that they may otherwise be lacking.  Topics covered will include but are not limited to:  Credit Scores, Student Loans/Debt (or how to avoid it), Comparison Service Shopping, Home Buying, Automobile Buying, Insurance (Home, Health, Life, Auto), Taxes, Budgeting, Long-Term Investing, etc.  This class seeks to leave our students, not only College & Career Ready, but also ready to navigate adult life.

**580510 - Jr. Guard Skill Level 1**

**Grade Level:** 9 - 12 **Credits: 1** **Description:** In this skill level the Junior Guardsman will learn their general orders, warrior ethos, army values, army ranks, Jr. Guard creed, physical fitness, phonetic alphabet, military time, the effects of drugs and alcohol, department of defense, history of the army, and drill and ceremonies. In this skill level the Guardsman will learn flag history, first aid, study techniques, cold weather injuries, hot weather injuries, military organization, command structure, and drill and ceremonies. Students will also be required to participate in rigorous physical training (PT) twice a week and an end of year Field Training Exercise (FTX). Students must maintain a military appearance (haircut and shaved face) and wear their uniforms once per week. **Content:** Jr. National Guard **Population:** General

**580512 - Jr. Guard Skill Level 2**

**Grade Level:** 9 - 12 **Credits:** 1 **Description:** In this skill level the Guardsman will learn leadership I, flags II, marine rank, tactical movements, goal setting, suicide prevention, violence prevention, map reading, leading a platoon, Swiss seats, one rope bridge, and drill and ceremonies. In this skill level the Guardsman will learn land navigation, freedom, guard history, basic rifle marksmanship, medals and ribbons, diversity I, patriotism, writing skills, leading physical fitness, and drill and ceremonies.Students will also be required to participate in rigorous physical training (PT) twice a week and an end of year Field Training Exercise (FTX). Students must maintain a military appearance (haircut and shaved face) and wear their uniforms once per week. **Content:** Jr. National Guard **Population:** General

**580514 - Jr. Guard Skill Level 3**

**Grade Level:** 11 - 12 **Credits:** 1 **Description:** In this skill level the Guardsman will learn leadership II, navy rank, budgeting, health and nutrition, ASVAB prep, college prep, memory, test taking tips, etiquette, and drill and ceremonies. Students will also be required to participate in rigorous physical training (PT) twice a week and an end of year Field Training Exercise (FTX). Students must maintain a military appearance (haircut and shaved face) and wear their uniforms once per week. **Content:** Jr. National Guard **Population:** General

**580515 - Jr. Guard Skill Level 4**

**Grade Level:** 11 - 12 **Credits:** 1 **Description:** In this skill level the Guardsman will learn their air force rank, historical American documents, diversity II, national security, lifelong learning, communications, problem solving, ethical choices, credit, and drill and ceremonies. Guardsmen will learn ASVAB prep, college prep, study techniques, the basics of budgeting, credit, problem solving, leader communications, ethics, and etiquette/behavior skills. Students will also be required to participate in rigorous physical training (PT) twice a week and an end of year Field Training Exercise (FTX). Students must maintain a military appearance (haircut and shaved face) and wear their uniforms once per week. **Content:** Jr. National Guard **Population:** General

**304828 - AP Physics 1: Algebra-Based**

**Grade Level:** 9 - 12 **Credits:** 1 **Description:** This Advanced Placement (AP) course is the equivalent of a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will introduce electric circuits. **Content:** AP Physics **Population:** General

**020502 - Adv. Animal Technology**

**Grade Level:** 11- 12 **Credits:** 1 **Description:** A course that describes the theories, principles and science of animals, including nutrition, reproduction, health, management, etc. **Content:** Animal Science **Population:** General

**030609 - Environmental Science and Technology**

**Grade Level:** 11 - 12 **Credits:** 1/2-1 **Description:** A course describing theories, principles and science of managing, protecting and utilizing natural resources and the environment, including land, air, water, wildlife, trees, etc. **Content:** Agriculture **Population:** General

**030711 - Agriscience**

**Grade Level:** 10-11 **Credits:** 1 **Description:** A course that describes the science of the Agricultural food, fiber and natural resources industries. **Content:** Agriculture **Population:** General

**010131 - Agribusiness/Farm Management**

**Grade Level:** 10-12 **Credits:** .5 **Description:** A course that describes theories, principles and the application of farm and business management principles including marketing, financial management, economics, record keeping, inventories, futures trading, labor management, etc. **Content:** Agriculture **Population:** General

**ADVANCED DIPLOMA (26 CREDITS)**

|  |  |  |
| --- | --- | --- |
| Area of Study | Required Courses | Credits Required |
| English | Pre AP English I, II, AP English III, & AP English IV | 4 |
| Math | Acc. Algebra I, Acc. Geometry, Acc. Algebra II, Pre Calculus, & AP Statistics or AP Calculus | 5 |
| Science | Pre AP Intg. Science, AP Biology, Chemistry, & Physics | 4 |
| Social Studies | AP Human Geography or AP US Government, AP World Civ, & AP US History | 3 |
| Health/PE | ½ Health & ½ PE | 1 |
| Arts & Humanities | Arts & Humanities, Art, Band, Vocal Ensemble, Stagecraft, Drama, Film & Literature, Speech & Debate, Music Theory, Piano | 1 |
| Foreign Language | French I, II or Spanish I, II | 2 |

* STUDENTS MUST ALSO COMPLETE AN INDIVIDUAL LEARNING PLAN

**Grading Scale**

|  |  |  |
| --- | --- | --- |
| **4-Point Scale** | **Letter Grade in IC** | **Descriptor** |
| 3.6 – 4.0 | A | Mastery |
| 3.0 – 3.59 | B | Approaching Mastery |
| 2.6 – 2.99 | C | Partial Mastery |
| 2.0 – 2.59 | D | Attempting Mastery |
| < 2.0 | F | No Mastery |