



Fort Dorchester High School

8th Grade IGP Cheat Sheet



Students in their Freshmen year will take English, Math, Science, Social Studies, and High School 101 along with three electives or intervention courses. Refer to the information below for guidance for parents/students:

<p>Freshmen Seminar (309901CW) English I (302400CW) Recommended for students who pass ELA 8 with a 75 or lower and show some need for remediation in RI, SCReady, or other assessment data</p> <p>READ180 English Foundations 9R (309919CW) Freshman Seminar R (309909CW) Recs come from teacher and high school admin does placement</p>	<p>English I Honors - Recommended for students who pass ELA 8 with a grade of 90 or higher or GATE ELA 8 with a grade of 85 or higher and/or who show superior writing and language skills</p> <p>English I CP - Recommended for students who pass 8th grade English</p>	<p>English II CP - Recommended for students who earn an English I credit in 8th grade</p> <p>English II Honors - Completion of English I with a grade of 85 or higher</p>
<p>Math Essentials (319902CW) Algebra I CP (411400CW) Recommended for students who pass Math 8 with a 75 or lower, "Does Not Meet Exp." on SCReady, and/or equivalent MI score may reveal the need for this combination intervention</p> <p>Math Assistance (410100CW) Transition to Algebra (310500CW) Recs come from teacher and high school admin does placement</p>	<p>Algebra I CP - Recommended for students who pass Math 8 with a 75 or higher</p> <p>Algebra I Honors - Recommended for students who pass Math 8 with a 90 or higher, demonstrate superior math skills, and are fast learners</p>	<p>Geometry CP - Recommended for students who earn an Algebra 1 credit in 8th grade</p> <p>Geometry Honors - Recommended for students who pass Algebra I in 8th grade with an 85 or higher</p> <p>Algebra 2 H/CP - For those students who will have earned both Algebra and Geo credits in MS</p>
<p>Earth Science CP - Recommended for all students who have passed 8th grade science</p>	<p>Earth Science Honors - Recommended for students who demonstrated strong interest and superior skills in 8th grade science and who earned an 85 or higher.</p>	<p>Biology Honors - Recommended for students who have completed Geometry H during middle school, who demonstrate strong interest in science, and have a desire to complete coursework at the AP level during their HS career</p>
<p>Human Geography CP - Recommended for all students who pass 8th grade Social Studies</p>	<p>Human Geography Honors - Recommended for students who demonstrated strong interest and superior skills in 8th grade SS and who earned an 85 or higher.</p>	<p>AP Human Geography - Recommended for students who have successfully completed English 1 in 8th grade, who have superior writing skills, advanced knowledge of history, sociology, and geography, and have the desire to complete AP studies during their HS career (<i>summer assignment required</i>)</p>

CTE Elective Courses

<p>PLTW Engineering Essentials - Honors weighted Student should be a self-starter who is good in mathematics/science and wants to pursue a career in engineering/ architecture. This course offers a multidisciplinary approach to teaching and learning foundational concepts of engineering practice, providing students opportunities to explore the breadth of engineering career opportunities and experiences and solve engaging and challenging real-world problems. Successful completion of Algebra 1 is recommended.</p> <p>Course Progression: PLTW Engineering Essentials PLTW Principles of Engineering (<i>computer science credit</i>) PLTW Civil Engineering, Digital Electronics, and/or Computer Integrated Manufacturing</p>	<p>PLTW Principles of Biomedical Science - Honors weighted Students explore concepts of biology and medicine as they take on roles of different medical professionals to solve real-world problems. Students are challenged in various scenarios including investigating a crime scene to solve a mystery, diagnosing and proposing treatment to patients in a family medical practice, tracking down and containing a medical outbreak in a local hospital, and stabilizing a patient during an emergency. Students that are successful in this course are interested in pursuing a career in healthcare and are enrolled in English H, GATE Math/Science in middle school.</p> <p>Course Progression: PLTW Human Body Systems PLTW Medical Interventions PLTW Biomedical Innovations</p>
<p>Marketing - Students will learn the fundamentals of marketing using real-world business examples of what it takes to market a product in today's fast-paced business environment.</p>	<p>Fundamentals of Computing - The ideal student should enjoy solving problems, working on both hands on computer activities as well as unplugged activities, have a willingness to learn different things and different ways to accomplish tasks, possess an ability to work with others and like to work with computers.</p>
<p>Business Entrepreneurship - This course is designed to provide students with the knowledge and skills needed to develop an effective business plan for small business ownership. This course will be the incorporation of economics, ethics, legal aspects, logistics, research, staffing, strategies for financing, and technology.</p>	<p>Medical Terminology - This course will help prepare you for jobs related to health care by teaching you the language of medicine, including an overview of how the different organ systems function, information about many different medical disorders, and information about diagnostic and treatment procedures. This course is heavily dependent on learning and applying vocabulary.</p>
<p>Introduction to Culinary Arts - this course provides students with an overview of interest, aptitude, and technical skills needed to advance to Culinary Arts Management 1 and/or the food service industry. Introduction to Culinary focuses mostly on the safety and sanitation standard, but also gives entry level information to the students in the areas of food production techniques, recipes, professionalism, culinary basics and mathematics, sustainability, and culinary careers.</p>	<p>Fundamentals of Web Page Design- Students will learn HTML, CSS, and basic scripting in a language like JavaScript in order to create websites that are well-organized, universally accessible, responsive, and easy to navigate. Students will learn the technological processes, requirements, and legal ramifications for publishing their websites. Prior experience in a computer science course is recommended.</p>
<p>Sports Medicine 1 - This is a class about the medical practices and techniques of professionals who work with athletic and sports related injuries and illness. It will also provide you with a basic understanding of health care concepts like anatomy, care of athletic and sports relate injuries, environmental safety practices, legal issues, the history of the sports med field, and many other topics. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course.</p>	<p>AP Computer Science Principles - AP weighted grading scale Students MUST have already successfully completed Algebra 1 prior to enrolling. This course introduces students to the central ideas of computer science, inviting student to develop the computational thinking vital for success across multiple disciplines. Students design and implement innovative solutions using an iterative process similar to what artists, writers, computer scientists, and engineers use to bring ideas to life. Students will take the College Board AP Computer Science Principles Exam at the end of this course.</p>

General Electives - Electives should be chosen based on student interest and college/career goals. In addition, students should attempt to complete their PE I/ROTC/Marching Band with PE credit along with their Computer Science course during their Freshman year for graduation requirements.

Photography 1	Art 1	Orchestra	Media Arts 1	3D Design Art 1
Dance	Theater	Steel Drums	Chorus	Piano
Journalism 1	Creative Writing			
Junior ROTC - please ensure students understand weekly uniform requirements and grooming standards including haircuts and hair color	Band - students MUST enroll in two band classes. Students must also participate in Summer Band Camp, Marching Band, and evening practices		PE 1 - if taken virtually over the summer, students who requested PE may not get an elective of their choice due to scheduling constraints	

World Languages - Spanish, German, French, and Mandarin

Students at FDHS have the potential to take two language courses in a single year of high school. It is HIGHLY recommended that students have successfully completed English 1 PRIOR to starting a world language path. Students who choose to start this path in freshman year, should have plans to either continue through the AP level in that language.

Special Education Courses

- **Resource Students**
 - 390R11CW Math Strat 9
 - 390R01CW Eng Strat 9

- **Employability Credential Students**
 - 390003CW Essentials of English I
 - 390103CW Essentials of Math I
 - 390203CW Essentials of Science I
 - 390303CW Essentials of Social Studies I
 - 390803CW Employability Education I
 - 379990CW High School 101
 - 399918CW Practical Assessment Exploration Sys 1
 - PE or ROTC

- **Autism, ID Mod Students (completely self-contained)**
 - 39010100 Functional Read 9
 - 39011100 Functional Math 9
 - 39018100 Functional Voc 9
 - 39017600 Comm Based Train
 - 39017500 Recrea/Leis Skills