

# Graham Middle School Course Request Form

Grade 8

2021-2022 School Year

## Student Information:

Name : \_\_\_\_\_

Date: \_\_\_\_\_

## Parent/Guardian Information:

Name: \_\_\_\_\_

Phone #: (\_\_\_\_\_) \_\_\_\_\_ - \_\_\_\_\_

Email: \_\_\_\_\_

(Students will schedule 7 periods for each quarter.)

<u>Required Courses (CIRCLE 8th or 9th Option)</u>	<u>Electives (RANK All that Apply)</u>
<p><b>* You must meet min requirements for HS Credit Courses per GLS Acceleration Plan</b></p> <p>8th English Lang. Arts or 9th Grade ELA (Yr Long)</p> <ul style="list-style-type: none"><li>• Double Block</li></ul> <p>8th Mathematics or 9th Grade Algebra (Yr Long)</p> <p>Science (Year Long)</p> <p>Social Studies (Year Long)</p> <p>Computer Science PLTW (9 Weeks)</p> <p>Physical Education/Life Skills (9 Weeks)</p> <p>Career (9 Weeks) <b>*Unless in Ag Science 1</b></p> <p>Additional Elective (9 Weeks)</p>	<p>(1= Most Desired Course)</p> <p>_____ Choir (Year Long)</p> <p>_____ Concert Band (Year Long)</p> <p><b>*Band and Choir can be taken together.</b></p> <p>_____ Art (9 Weeks)</p> <p>_____ Coding and Robotics (9 Weeks)</p> <p>_____ Design Thinking (9 Weeks)</p> <p>_____ Flight and Space (9 Weeks)</p> <p>_____ Medical Detectives (9 Weeks)</p> <p>_____ Systems of the Body (9 Weeks)</p> <p>_____ Digital Skills &amp; Citizenship (9 Weeks)</p> <p><b><u>Must meet min requirements for HS Credit Courses per GLS Acceleration Plan.</u></b></p> <p>(Check to be considered.)</p> <p>_____ Art 1 (HS Credit - Semester)</p> <p>_____ Spanish (HS Credit/Year Long)</p> <p>_____ Ag Science 1 (HS Credit/Year Long)</p>

\* Please note that you cannot sign up for an elective (other than Band, Choir) that you took during the 2020/2021 School Year. Do not rank an elective that you took in 2020/2021. Electives will be based on staffing and schedule availability. \*\*Study Hall may be utilized based on schedule availability.

\*\*\* If student has requested Accelerated Courses (HS Credit), I as parent/guardian and student acknowledge that I have read and understand the requirements laid out in the district acceleration plan which can be found on the GMS Website under Scheduling Information.

Student Signature: \_\_\_\_\_

Parent Signature: \_\_\_\_\_

Please turn in completed scheduling forms to Office by Friday, May 7th

# **Graham Middle School Course Request Form**

## ***Course descriptions for most of the electives/related arts.***

**AGRICULTURE, FOOD, AND NATURAL RESOURCES** - This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science and management, plant and horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agricultural industry. **(Elective (8th) Year Long) HS CREDIT: 1.25 (FFA membership is required of this class. Students must participate in the Ag Ed model of instruction (classroom), SAE (supervised agricultural experience), and FFA (leadership activities, community service, conferences, career development events).**

**LEADERSHIP/CAREER** - Students will explore opportunities to develop their personal and professional skills, continue career exploration, practice effective communication, and manage information resources including Naviance. Class strategies include teamwork, presentation, and planning. Students in this class have the opportunity to participate in the Middle School FFA Chapter.

**CODING and ROBOTICS** - Working in collaborative pairs, students will use Lego Mindstorms software to program a Lego EV3 robot to perform a variety of missions. As they work through these missions, students will not only learn programming logic and syntax, but will strengthen their 21st Century Skills while sharpening their computational and spatial problem solving.

**COMPUTER SCIENCE FOR INNOVATORS AND MAKERS** - Throughout the unit, students will learn about programming for the physical world by blending hardware design and software development, allowing students to discover computer science concepts and skills by creating personally relevant, tangible, shareable projects.

**DIGITAL SKILLS & CITIZENSHIP**- In an ever changing technological world, digital skills and citizenship are key now more than ever, so students will learn about the evolution of technology and take a look at the landscape of social media and its impact on our lives. Students will also discuss the importance of persistence and goal setting, how to achieve goals that are most important to them. Along with these topics, students will also explore tools to enhance their learning such as using various Google Apps and even podcasting.

**DESIGN THINKERS** - Students apply the design process to solve problems and understand the influence of creativity and innovation in their lives. Students will work in teams to complete several high level design challenges during the quarter. The students will use the steps of the engineering design process, while capturing research and ideas in their engineering notebooks before beginning the implementation stage. Students will produce a product and then present their product to the class at the end of the quarter.

**FLIGHT AND SPACE** - The exciting world of aerospace comes alive through Flight and Space as students explore the science behind aeronautics and use their knowledge to engineer, build, and test aircraft. While engineering, building, and testing hot air balloons, Wright and Balsa gliders, and CO2 rockets, students will learn and apply the scientific principles that govern flight and propulsion.

**SYSTEMS OF THE BODY** - In this course, students engage in the study of the processes, structures, and interactions of the human body. The systems are studied as "parts of a whole," working together to keep our human body functioning properly. Students will study the nervous, respiratory, circulatory, digestive, excretory, skeletal, and muscular systems during this 9 week course.

**MEDICAL DETECTIVES** - This course is an introductory course in applied biomedical sciences. Students play the role of real-life medical detectives as they collect and analyze medical data to diagnose disease. They solve medical mysteries, dissect a sheep brain, and work through a crime scenario as they learn to implement various components from the field of forensics.

**ART 1 HS CREDIT: 1.00 (Pre: 8th Grade Art)** This course experience is an in depth look at the elements and principles of art and design and their application to traditional methods of artmaking. Sections include vocabulary, drawing, painting and 3-D study. Students must take Art 8 in 1st or 2nd Quarter as a Prerequisite. **(High School Credit .50 Elective (8th) Semester Course)**