

# Freshman Registration Worksheet 2019-2020

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

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

1 <sup>ST</sup> Semester Course Choices		2 <sup>ND</sup> Semester Course Choices	
1	1100 – <b>Language Arts 9</b>	1	1101 – <b>Language Arts 9</b>
2	2014 – <b>American History: Reconstruction to the Present</b>	2	2015- <b>American History: Reconstruction to the Present</b>
3	3100 - <b>Algebra 1A</b> or 3106 – <b>Algebra 1</b> or 3110 – <b>Geometry</b>	3	3101 – <b>Algebra 1A</b> or 3107 – <b>Algebra 1</b> or 3111 – <b>Geometry</b>
4	4348 – <b>iSTEM</b>	4	4349 – <b>iSTEM</b>
5	5100 – Phy Ed 9	5	Elective # ____ Name:
6	Elective # ____ Name:	6	Elective # ____ Name:
7	Elective # ____ Name:	7	Elective # ____ Name:

Full Year Electives	Semester Electives	
<b>Music</b> 7100/7101 – Concert Band 7200/7201 – Chorale 7310/7311 – String Choir <b>World Languages</b> 6100/6101 – German 1 6102/6103 – German 2 6200/6201 – Spanish 1 6202/6203 – Spanish 2  ALTERNATE COURSES:  1. _____  2. _____  3. _____	<b><u>Agricultural Food &amp; Natural Resources</u></b> 8200 – Introduction to Agriscience 8202 – Natural Resources & Wildlife Management <b><u>Art</u></b> 7400 – Basic Art 2-D 7402 – Basic Art 3-D <b><u>Business &amp; Information Technology</u></b> 8402 – Principles of Business 8404 – Principles of Marketing 8414 – MS Office Applications <b><u>Family &amp; Consumer Science</u></b> 8100 – World Cuisine 8102 – Culinary Arts 1	<b><u>General Electives</u></b> 8700 – Fab Lab: Introduction 8702 – Fab Lab: Make Something Big 8704 – Fab Lab: Community Project 9004 – Intro to Coding 1 – Snap! 9005 – Intro to Coding 2 - Python 9801/9901 – Academic Study 9850/9950 – Study Hall <b><u>Health Science</u></b> 8112 – Human Development 8113 – Intro to Health Careers <b><u>Physical Education</u></b> 5500 – Health (required 9 <sup>th</sup> or 10 <sup>th</sup> grade) <b><u>Technology &amp; Engineering Education</u></b> 8500 – Intro to Woods & Construction 8510 – Engineering Drafting & Design 8600 – Power & Transportation Technology

## **MUSIC**

### **7100/7101 Concert Band**

The Concert Band's primary mission is to play and perform concert music at a variety of levels and styles. Students in this ensemble will also learn pep tunes for home football games. Concert Band members will also have the opportunity to create and compose music. In addition, students will be able to participate in many extra ensembles, such as Solo & Ensemble, Brass Quintets, Instrument Choirs, Jazz Band, and others. Course requirements include, but are not limited to: 1) Attendance at all performances, 2) daily participation and lesson attendance, 3) personal practice time, 4) playing tests, 5) care of equipment, 6) formal wear purchase.

All 9-12 band students will have the opportunity to audition for Symphonic Band. These auditions take place during March of the preceding year. All students are expected to be in attendance at the annual high school band camp, which is held at the end of July. All 9-12 students also have the opportunity to audition for Viking Marching Band which prepares and performs the annual field show production.

### **7200/7201 Chorale**

Chorale meets daily and focuses on beginning and intermediate choral literature and sight-reading. Course requirements include, but are not limited to: Participation at all performances, daily formative performance assessments, occasional formative quizzes (both vocal and written), and summative voice exams.

### **7310/7311 String Choir**

Orchestra meets one period each day for both semesters, and receives full credit. This ensemble offers a variety of concert performances, studying all types of musical genres and styles. Students will also study chamber music and participate in the Badger Conference Solo and Ensemble Festival. Course requirements include but are not limited to: 1) attendance at all performances, 2) class participation, 3) individual improvement/practicing, 4) occasional quizzes (both playing and written).

## **WORLD LANGUAGE**

### **6100/6101 German 1**

German 1 is an introductory language course in which students will begin to practice meaningful communication in the German language through thematic units. Class will be conducted in German, with support provided. Students will be asked to do a variety of tasks in German using basic speaking, listening, reading and writing skills. Students will also explore aspects of the German culture. Focus will be placed on using the language in meaningful ways.

### **6102/6103 German 2**

In German 2, students will review and build upon what they learned in German 1 by exploring thematic units. Class will be conducted in German, with support provided. Students will increase their communication fluency by practicing basic speaking, listening, reading and writing skills in German. Students will also explore aspects of the German culture. Focus will be placed on using the language in meaningful ways.

### **6200/6201 Spanish 1**

Spanish 1 is an introductory language course in which students will begin to practice meaningful communication in the Spanish language through thematic units. Class will be conducted in Spanish, with support provided. Students will be asked to do a variety of tasks in Spanish using basic speaking, listening, reading and writing skills. Students will also explore aspects of the Spanish-speaking culture. Focus will be placed on using the language in meaningful ways.

### **6202/6203 Spanish 2**

In Spanish 2, students will review and build upon what they learned in Spanish 1 by exploring thematic units. Class will be conducted in Spanish, with support provided. Students will increase their communication fluency by practicing basic speaking, reading, writing, and listening in Spanish. Students will also explore aspects of the Spanish-speaking cultures.

## **AGRICULTURE, FOOD & NATURAL RESOURCES**

### **8200 Introduction to Agriscience**

Agriculture has played an important role in the lives of humans for thousands of years. It has fed us and provided materials which have allowed world cultures to survive and prosper. Agriscience is the application of scientific principles and new technologies to agriculture. Topics of study include biotechnology, careers in Agriscience, supervised agricultural experiences, field crop production, and food science.

### **8202 Natural Resources & Wildlife Management**

This is an introductory course which includes topics related to maintenance of our natural resources such as soils, water, outdoor recreation, forestry and wildlife. After learning about the needs of wildlife based on species requirements and available habitats, students will study the science of these resources and research how the various systems are interrelated.

## **ART**

### **7400 Basic Art 2-D**

This is a two-dimensional (or flat surface) design course. It is organized to help students develop a fundamental knowledge of drawing skills and 2-D design concepts. Topics covered include; drawing and painting techniques, perspective, still life composition, figure drawing, color theory, pen and ink, watercolor techniques, etc.

### **7402 Basic Art 3-D**

This is a three-dimensional design class. It is organized to help students develop fundamental knowledge of the properties of the three-dimensional object. Skills will be developed in carving, sculpting and designing forms in a variety of media including paper, color, clay, wire, plaster, and mixed media.

## **BUSINESS & INFORMATION TECHNOLOGY**

### **8402 Principles of Business**

This course is designed to help students explore various business concepts and understand the role business plays in our economy. Units covered include: what businesses do, how they function, producing goods and services, international business, consumer decision making, professionalism, and more. This course is helpful for students to understand the procedures/policies of all businesses, so they are better prepared to enter the workforce or continue their career path in the business field. This course provides basic business knowledge for any student that will work in our global economy. Class content includes many hands-on projects as well as speakers from area businesses.

### **8404 Principles of Marketing**

We will learn about the art of marketing. We will evaluate and practice the marketing research process, evaluate and create new social media marketing strategies for big name companies and learn the ins and outs of an effective marketing plan. Other topics covered will include the marketing mix, marketing ethics, consumer behavior, market segmentation, and how to succeed with competitors. Marketing is important to understand, regardless of your career area of interest, because it truly impacts everything we see, hear, and do on a daily basis. Students will expand their self-awareness, communication skills, human relations, and leadership skills. Students will also learn skills to market themselves, such as professionalism tactics, resumes, and job interviewing that will serve them well in their future careers. The students are encouraged to be actively involved in DECA, an association of marketing students.

### **8414 MS Office Applications**

Turn your computer and keyboard into a resume builder! Use the computer as a tool to explore word processing, presentation, and spreadsheet software through Microsoft Office. In addition, students will also work on mastering the life-long skill of keyboarding. Computer application skills are an absolute necessity for work in the future. Students will learn to work more effectively by understanding the format of business letters, tables, and leader tabs in MS Word. In addition, students will have a basic understanding of how to effectively utilize spreadsheet software. Students will work extensively with MS Word, MS Excel, and MS PowerPoint. Students will earn a Microsoft Office Specialist (MOS) Certification at the end of this course.

## **FAMILY & CONSUMER SCIENCE**

### **8100 World Cuisine**

Explore the influences of other cultures on American cuisine and learn how food and culture intertwine throughout the world. Basic food preparation skills and nutrition are emphasized, providing an excellent foundation for students interested in a career related to hospitality, tourism, or health. Food intake patterns as individuals, in our school, regions of our nation, and throughout the world will guide student learning. Students in World Cuisine prepare and taste American regional and global cuisine throughout the semester and demonstrate skills and knowledge learned through projects and labs.

### **8102 Culinary Arts 1**

Are you interested in taking your culinary skills to a higher level? This introductory level course offers hands-on preparation in the foods lab with introduction to commercial production. Safety and sanitation are emphasized as we study potatoes, grains, pasta, fruit, vegetables, soup and sauces. Careers in the food service industry will be explored.

## **GENERAL ELECTIVES**

### **8700 Fab Lab: Introduction**

Do you like art, design, electronics, building or wonder how everyday things are made? Do you have an idea that solves a want or a need? Would you like to improve a product or build something of your own that is fun and functional? Let us help you learn how to make just about anything. In the Fab Lab you will use state-of-the-art equipment to turn an idea into a design that you will build and test. This course develops skills used in many interrelated career fields, including engineering, science, mathematics, art, graphic design, computer aided design (CAD), electronics, and entrepreneurship.

### **8702 Fab Lab: Make Something Big** (Prerequisite: 8700)

Can you make the perfect rocking chair? Will you design the ultimate treehouse? In this course you are not limited by size as you will learn how to use large format machining to create large scale projects. To do this, you will apply the principles of art, design, and engineering to create large objects of interest to you.

### **8704 Fab Lab: Community Project** (Prerequisite: 8700)

It is time for you to move beyond making objects for yourself and to begin to make objects for others. You will create innovative products to solve a problem facing the school or community. You will form a design team to analyze the issues facing stakeholders and design and build a solution using the principles of art, design, and engineering with fab lab software and equipment. Emphasis is placed on working collaboratively with others on a design team, and mastering software and equipment.

### **9004 Intro to Coding 1 – Snap!**

Have you ever wondered how Snapchat or Instagram work? In this course, you will learn use a block-based programming language called Snap as you code your own programs and apps, including visual displays and interactive video games. The underlying principles of algorithms, data structures, and computational thinking skills you will learn are fundamental in many different career paths.

### **9005 Intro to Coding 2 - Python**

In this continuation course, students will apply the skills they learned in Coding 1 to transition from block-programing to using Python. Python is the programming language behind sites and apps like Google, YouTube, Instagram, and Spotify. Students will develop an understanding of how these and other applications work and be able to create their own.

### **9801/9901 Academic Study**

Academic Study is a course that is designed to give students individualized supplementary help with their academic subjects. Emphasis is placed on more effective development of study habits and skills. Academic Study is a Pass/Fail course and is worth 0.25 credits each semester. Students must earn 70% of the total points to earn a passing grade.

### **9850/9950 Study Hall**

Study Hall is a non-credit class for students. Students will be expected to come to class everyday with all the necessary materials needed to complete homework, projects and/or reading assignments. Students will be expected to independently work productively for the entire class period.

## **HEALTH SCIENCE**

### **8112 Human Development**

Although all people are not exactly alike, all go through similar stages of development. Throughout the life span, we grow and change physically, socially and emotionally, and in our ability to think. This process of growth and change is called human development. It is influenced by many things, and most importantly by culture. In this course, we explore this amazing and gradual process that begins at birth and continues throughout the lifespan. An understanding of human development is a must for students interested in a career in health care, human services, education, and even marketing and sales.

### **8113 Introduction to Health Careers**

Get a jump-start on a career in the rapidly growing health care industry. Students will have the opportunity to explore careers in a wide range of areas such as: diagnostic services, therapeutic services, health information, and support services. So whether you are someone looking for direct patient care, working in a lab, or with information technology, take a look. See the connections between entry-level positions and advanced degree positions. Assess personal interest and abilities to find a good fit and start developing a plan for next steps. Students will learn from professionals working in various healthcare careers. Students will create a resume and do career research.

## **PHYSICAL EDUCATION**

### **5500 Health**

Offered each semester, Health Education is a graduation requirement. Emphasis in this course focuses on many aspects of health information including decision-making skills that emphasize a healthy lifestyle now and in the future.

## **TECHNOLOGY & ENGINEERING EDUCATION**

### **8510 Engineering Drafting & Design**

This course is concerned with the preparation of drawings that are typically used by industries such as architecture, engineering, interior design, landscaping, mechanics, plumbing, electricians and others that develop, manufacture, repair or produce any product. Students will learn how to develop mechanical drawings using traditional hand drawing equipment and with the Computer Aided Design (CAD) software programs, AutoCAD and SolidWorks. Architectural design will be introduced using Revit software.

Topics covered include sketching, the use of drafting equipment, geometric construction, orthographic projection, dimensioning, 3 view drawings, working drawings, assemblies, section views, auxiliary views, pictorial and isometric drawings. Product design and problem solving using creativity, science, math along with CAD technology to design unique, dependable and cost effective products will be covered. This course will provide an excellent foundation for Fab Lab.

### **8500 Intro to Woods & Construction**

In this hands-on, introductory level woodworking course, students will develop skills to use hand and power tools and equipment safely and appropriately. Materials and calculation of costs will be covered. Students will complete a series of prototypes and projects before an introduction to CAD, CNC and Fab Lab equipment related to woods.

### **8600 Power & Transportation Technology**

Ever wonder what makes a lawnmower run? Learn how to repair, troubleshoot, and rebuild small engines. Students will gain an understanding of the operation of the internal combustion engine. In addition to the theory of operation, students will perform disassembly, measuring, testing, diagnosis, repair, and reassembly of air-cooled engines. A large segment of time will be spent on small engines. After successfully rebuilding the "school engine" students will have an opportunity to "tune-up", perform maintenance, or rebuild an engine from home. Students will also explore other areas of power and transportation through a variety of learning activities, which may include: pneumatics, hydraulics, alternative energy, electricity, mechanisms, space and creative problem solving.