

## **East Elementary Course Catalog 2023-2024 School Year**

**These specific online virtual courses listed below are non-essential and are capable of generating credit or grade progression. All courses in this catalog including Optional Extended Learning Opportunity (ELO) have been approved by the IMPS Schools Board of Education and are offered and available to all students (full time, part-time, homeschool, traditional IMPS public students and nonpublic/shared time students).**

**The courses listed below have a specific ELO component and are optional and do not generate grade or course completion. The ELO's are offered and available to all students (full time, part-time, homeschool, traditional IMPS public students and nonpublic/shared time students) at the Homeschool Partnership located at 800 East E Street.**

**Online classes can be taken once. Multiple levels of certain online courses are offered. Materials for your online course are available within the virtual environment. Computers and District filtered internet services will be furnished. For a comprehensive list of all online courses offered please see Appendix A.**

**This course catalog contains all courses for East Elementary Iron Mountain Public School Students. These courses are available to all Traditional and Non Traditional Students at IMPS. Contact the Guidance Office: Shelly Petrusch: [petruschs@imschools.org](mailto:petruschs@imschools.org)**

### **FIFTH GRADE CORE TRADITIONAL AND VIRTUAL ONLINE (OL)**

#### **Reading/Literature:**

- Study Skills
- Exposure to all genres using novels (mystery, realistic animal, adventure, historical, fantasy, fable, myth, science fiction, human interest, tall tales, poetry)
- Demonstrate comprehension: Characterization, Sequencing, Cause/effect, Fact/opinion, Expanding vocabulary, Story mapping
- Read conventional literature
- Read literature with social studies content

#### **Mathematics:**

- Understand division of whole numbers, relate division to fractions, and write mathematical statements
- Multiply and divide whole numbers, multiply multi-digit numbers by a two-digit number, explain common computational errors, and divide fluently up to a four-digit number by a two-digit number
- Prime factorizations of whole numbers, express in exponential notation and understand that whole numbers can be expressed as a product of primes.
- Understand meaning of decimals, fractions, and percentages, the magnitude of ones, tenths,

and hundredths, percentages as parts out of 100, use % notations and express a part of a whole as a percentage

- Understand fractions as division statements; find equivalent fractions; multiply and divide fractions, add and subtract fractions using common denominators; multiply and divide by powers of ten; solve applied problems with fractions; express, interpret, and use ratios; find equivalences
- Know, and convert among, measurements units within a given system; find areas of geometric shapes using formulas; understand the concept of volume
- Know the meaning of angles, and solve problems about geometric shapes
- Construct and interpret line graphs; find and interpret mean and mode for a given set of data
- Algebra concepts and skills; algebraic expressions

### Social Studies

- Students will focus primarily on the study of the early history of the United States, through the Westward Expansion, Geography, Economics, and Civic Responsibility are included in this study. People of the Americas, North America Explorers, Colonization, American Revolution, Structure of the U.S. Government, Westward Expansion, Core Democratic Values

### Science:

- Scientific Method
- Micro Worlds: Magnification/field of view, Using microscopes, preparing slides, Discovering everyday objects at microscopic levels, Discovering living organisms, Atoms and molecules
- Plants: Cells, Basic structure and function of plants, Life Cycle of a flowering plant, Photosynthesis, Respiration, Producers, Consumers, Decomposers
- Classifying Animals: Invertebrates/Vertebrates, Animal Kingdom
- Sounds: vibration, pitch, intensity, sound waves, ear tuning forks
- Electricity: Static electricity, current electricity, build series/parallel circuit, magnets
- Laws of Motion: Gravitational force and space
- Machines: Simple, Complex, Compound
- States of Matter: Chemical Reactions, Periodic Table
- Presenting Functional Inventions: science fair
- Solar Energy: Solar Ovens
- Weather and Atmosphere

## **SIXTH GRADE CORE TRADITIONAL AND VIRTUAL ONLINE (OL)**

### Reading/Literature:

- Word Recognition and Word Study: Sentence structure, word analysis, reading strategies
- Narrative Text: Character analysis, style, dialogue plot, themes, imagery
- Informational Text: Analyze genre, recognizing patterns, text features
- Comprehension: Prior knowledge, summarization, universal themes, truths, principles, application of knowledge from Social Studies and Science
- Metacognition: Self monitoring strategies, comparison of standards

- Reading Attitude: Reading on their own, enthusiasm

### Mathematics:

- Place value with decimals
- Rounding
- Addition, subtraction, multiplication, and division with decimals
- Addition and subtraction of fractions
- Multiplication and division of fractions
- Converting fractions and decimals
- Understanding integers
- Using exponents
- Calculating rates
- Finding percentages
- Graphing on the coordinate plane
- Writing expressions, and equations using variables
- Solving equations
- Converting with measurement systems
- Finding volume and surface area
- Understanding probability
- Understanding and applying basic geometric properties
- Problem Solving

### Social Studies

- Students will focus primarily on the study of the Western Hemisphere, which includes history, geography, and economics. Core democratic values are studied throughout the curriculum
- Five themes of geography: location, place, human environmental relationships, movement, and region
- Map Skills: latitude and longitude scale, elevation, projection, terminology, types of maps, graphics, timelines
- Canada: history
- Canada: maritime provinces
- Canada: Ontario and Quebec
- Canada: prairie provinces
- Canada: British Columbia and territories
- Modern Canada
- Mexico: Indian civilizations, historical development, geography, climate, economics, cultural influences
- Central America: history, geography, climate, population, economics, governments, current issues
- South America: Northern and Andean countries, Southern Cone, Brazil history, Indian Civilizations, Spanish conquest, geography, climate, economics, government, and current issues
- Caribbean: history, geography, economics, cultural diversity, current issues
- Economics

- Core democratic Values

Science:

- Scientific method and problem solving
- Kinetic and potential energy
- Ecosystems
- Geologic time
- Landforms and the solid Earth
- Rocks, minerals, and soil
- Plate tectonics

## **SPECIALS (Traditional)**

- Music
- Band
- P.E.
- Art

## **Specials/Elective/Non Essential (Traditional and Non-Traditional) (ONLINE)**

**These specific online virtual courses are non-essential and available to all traditional and non traditional students enrolled through Iron Mountain Public Schools. These courses below are an alternative and exchange to any Specials/Elective/Non Essential (Traditional and Non-Traditional). Online Virtual Courses Generate Course Grade, Course Completion and FTE.**

**Students interested in taking an online virtual course must see the School Guidance Counselor for the listing of courses available and the registration materials. Contact the Guidance Office: Shelly Petrusch: [petruschs@imschools.org](mailto:petruschs@imschools.org)**

**The following specific Online Virtual Courses Generate Course Grade, Course Completion and FTE. Computers and District filtered internet service furnished and available. Only the Online Virtual Course generates grade, completion and FTE.**

**The following specific Online Virtual Courses have an Optional Extended Learning Opportunity (ELO) component with transportation available upon request. Please see ELO Transportation Documentation. Optional Extended Learning Opportunity components are OPTIONAL and do not generate grade, course completion or FTE.**

**Online Classes can be taken once. Multiple levels of certain courses are offered. Materials for your online course are available within the virtual environment. Computers and District filtered internet service furnished.**

**Michigan Certified Teachers of Record are responsible for the content, delivery, quality and assessment components of the online virtual courses within the established time frame.**

**ONLINE VIRTUAL COURSES are Anytime Anywhere any Pace.**

**If interested in any Online Virtual course and/or the OPTIONAL ELO component, contact Contact the Guidance Office: Shelly Petrusch: [petruschs@imschools.org](mailto:petruschs@imschools.org)**

## **PHYSICAL EDUCATION**

### **Elementary Phy. Ed. 5 (Online)**

**08035**

Grade:5

**Online Virtual Course Vendor:** Google Classrooms and Edmentum

**Online Virtual Course Term:** Semester or Full Year

**Optional ELO** (non credit, non grade, non course completion, non FTE generating) **Location:** East,

**Optional ELO** (non credit, non grade, non course completion, non FTE generating) **Time:** Thursday  
2:00-3:15

Teacher of Record: Samantha Roberts

Elementary PE grade level specific covers the knowledge, experience, and opportunity to develop skills in more than one conditioning activities and fitness exploration. This course covers standards in Elementary and does not have any prerequisites.

### **Physical Education and Health 6 (Online)**

**08110**

Grade 6

**Online Virtual Course Vendor:** Google Classrooms and Edmentum

**Online Virtual Course Term:** Semester or Full Year

**Optional ELO** (non credit, non grade, non course completion, non FTE generating) **Location:** East

**Optional ELO** (non credit, non grade, non course completion, non FTE generating) **Time:** Thursday  
12:30-1:45

Teacher of Record: Matt Wonders

This health and fitness course combines the Health and Fitness components to cover topics like nutrition, stress management, substance abuse prevention, disease prevention, active fitness, physical activity, and exercise guidelines with the intention of conveying the importance of life-long wellness habits. This is a course that covers standards for Elementary and does not have any prerequisites.

## **MUSIC**

### **Music 5 (Online)**

**05135**

Grade: 5

**Online Virtual Course Vendor:** Google Classrooms

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time:Thursday 9:00-3:15

Teacher of Record: Dawn Kranz

This Music grade level specific course emphasizes theory application, exploring musical compositions, understanding music as creative expression and communication, and refining the ability to discern and critique musical compositions. This is a continuation course that covers standards in Elementary and does not have any prerequisites.

### **General Music 5 (Online)**

**55136**

Grade: 5

**Online Virtual Course Vendor:** Google Classrooms

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time:Thursday 9:00-10:00

Teacher of Record: Dawn Kranz

This music grade level specific course emphasizes group concepts of music. Students will learn the basics of movement, rhythm, group singing, listening, music games, and group drumming This is a course that covers standards in Elementary and does not have any prerequisites.

### **Music 6 (Online)**

**05136**

Grade: 6

**Online Virtual Course Vendor:** Google Classrooms

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time:Thursday Thursday 9:00-3:15

Teacher of Record: Dawn Kranz

This Music grade level specific course emphasizes theory application, exploring musical compositions, understanding music as creative expression and communication, and refining the ability to discern and critique musical compositions. This is a course that covers standards in Elementary and does not have any prerequisites.

## **ART**

### **Art Crafts 5 (online)**

**05165**

Grade: 5

**Online Virtual Course Vendor:** Google Classrooms

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 12:30-1:45

Teacher of Record: Samantha Roberts

Art Crafts online courses teach the same lessons as Creative Art—Comprehensive courses, but do so with a focus on crafts. This course focuses on only one type of craft with specific mediums such as food art. This is a continuation course that covers standards in Elementary and does not have any prerequisites.

**Art 5 (online)**

**05185**

Grade: 5

**Online Virtual Course Vendor:** Google Classrooms and Lincoln Learning

**Online Virtual Course Term:** Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 10:30-11:45

Teacher of Record: Samantha Roberts

Art is a grade level specific online course that introduces and reinforces students' understanding in the forms of art. Helping them form an aesthetic framework. Through this framework they can process, judge, and critique art. These courses also explore the place and significance of art in their current society. This is a course that covers standards in Elementary and does not have any prerequisites.

**Art 6 (online)**

**05186**

Grade: 6

**Online Virtual Course Vendor:** Google Classrooms and Edmentum

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 2:00-3:15

Teacher of Record: Kristin Stanchina

Art is a grade level specific online course that introduces and reinforces students' understanding in the forms of art. Helping them form an aesthetic framework. Through this framework they can process, judge, and critique art. These courses also explore the place and significance of art in their current society.. This is a course that covers standards in Elementary and does not have any prerequisites.

**Culinary Arts 6 (online)**

**16054**

Grade: 6

**Online Virtual Course Vendor:** Google Classrooms and Edmentum

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 10:30-11:45

Teacher of Record: Samantha Roberts

Intro to Culinary Arts & Nutrition provides an understanding of food's role in society, instruction in how to plan and prepare meals, experience in the proper use of equipment and utensils, and background on the nutritional needs and requirements for healthy living. Young chefs will explore current career opportunities in the food industry. This is a course that covers standards in Elementary and does not have any prerequisites.

**Drama 5 (online)**

**05075**

Grade: 5

**Online Virtual Course Vendor:** Google Classrooms

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 10:30-11:45

Teacher of Record: Samantha Roberts

Drama is a grade level specific online course that introduces the performing arts. Drama provides developmentally appropriate activities to enable students to express themselves through dramatic play and storytelling. Course content includes the use of movement, language, character, plot, and spectacle to portray imaginary or real experiences. Activities may include those that enable students to refine their technique, increase their artistic vocabulary, express themselves and their world view, and strengthen their critical abilities. This is a course that covers standards in Elementary and does not have any prerequisites.

### **Introduction to Cinematography 6 (online)**

**05168**

Grade: 6

**Online Virtual Course Vendor:** Google Classrooms and Edmentum

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 10:30-11:45

Teacher of Record: Kristin Stanchina

This courses emphasize the application of the fundamental processes of artistic expression. These course include the history and development of cinema, television, and video production. Students explore a range of skills needed to explore contemporary social, cultural, and political issues and creatively solve problems within and through cinematic or video productions. Students engage in critiques of their cinematic or video productions, those of others, and productions of professional cinematographers or video artists for the purpose of reflecting on and refining work for presentation. This course covers standards in Middle School and does not have any prerequisites.

## **TECHNOLOGY**

### **Educational Technology 5 (online)**

**Grade: 5**

**10003**

Grade: 5

**Online Virtual Course Vendor:** Google Classrooms and Code.org

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 10:30-11:45

Teacher of Record: Samantha Roberts



Technology enhances the knowledge and ability to use computers and technology efficiently. Course content includes the various uses of computers in modern society. This is a course that covers standards in Elementary and does not have any prerequisites.

### **Educational Technology 6 (online)**

#### **10003**

Grade: 6

**Online Virtual Course Vendor:** Google Classrooms and Code.org

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 9:00-10:15

Teacher of Record: Samantha Roberts

Technology enhances the knowledge and ability to use computers and technology efficiently. Course content includes the various uses of computers in modern society. This is a course that covers standards in Elementary and does not have any prerequisites.

### **Introduction to Forensics 6 (online)**

#### **15055**

Grade: 6

**Online Virtual Course Vendor:** Google Classrooms and Edmentum

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 11:45-12:45

Teacher of Record: Jeff Christiansen

This courses provide an overview of the theoretical understanding and practical application of forensic science techniques. It explores the applied science and the fields of biology, chemistry, physics, and crime science investigation. Topics typically covered may include genetics, anthropology, toxicology, entomology, ballistics, pathology, computer forensics, fire debris and trace evidence among others. This is a course that covers standards in Middle School and does not have any prerequisites.

### **Life Skills 6 (online)**

#### **19257**

Grade: 6

**Online Virtual Course Vendor:** Google Classrooms and Edmentum

**Online Virtual Course Term:** Semester or Full Year

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Location: East,

**Optional** ELO (non credit, non grade, non course completion, non FTE generating) Time: Thursday 2:15-3:15

Teacher of Record: Samantha Roberts

The course provides students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decisionmaking, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, nutrition, preparing food, selecting clothing and building a wardrobe.. This is a course that covers standards in Middle School and does not have any prerequisites.

### **ACADEMIC COACHING/NETWORKING ONLINE (OL)**

Teacher of Record: Samantha Roberts

**Description: Providing students with remediation and interventions for core essentials. Focus will be on helping students examine their learning styles and assisting with current difficulties or barriers to academic success and supporting their online learning. This will be done through individual direct instruction/academic coaching. Resources for parents on how to assist their child with academic issues will be available. There will also be time for parent discussion and networking regarding academic concerns and sharing of ideas.**