

CHRISTA MCAULIFFE ACADEMY



SCHOOL OF ARTS AND SCIENCES

TOUCH THE FUTURE >>>



ELEMENTARY COURSE CATALOG

Table of Contents

Making Online Learning Work for You.....	3
Academic Integrity Policy	4
Courses at a Glance.....	5
Language Arts.....	6
Mathematics	8
Social Studies	10
Science	11
World Languages.....	13
Visual & Performing Arts.....	14
Health/Physical Education	15
Technology Education	16



CMASAS serves students worldwide through a unique personalized approach to education.

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Making Online Learning Work for You

Education's purpose is to empower students to find their own paths to their own dreams; to create life-long learners who are prepared for both the modern world and the future; and to empower individuals to make a positive impact in the world.

Our personalized education program is student-centered and requires, student, parent, teacher, and Personalized Education Coach (PEC) to work together to set goals and keep the whole student in mind.

Students and parents are encouraged to make schedules and "to do" lists. Post these lists somewhere, where the student can see them and check things off. For younger students consider a sticker chart.

While we encourage students to view the world as their classroom, keep in mind that a structured study space and time will be needed in order to complete parts of the program. We recommend tailoring this to the needs of your student.

Here are some tips:

- A large table or desk where learning on the computer and tinkering can take place
- Headphones with a built-in microphone
- A tool to help you and your student track time
- A posted schedule for the day's activities

Online learning in a self-paced, personalized environment is fulfilling and exciting. Remember that you have help in your PEC, who also is your student's Course Instructor. Work as a team to set goals and create schedules to help your student see what they need to accomplish.

Academic Integrity Policy

CMASAS will not tolerate cheating, plagiarism, or facilitating academic dishonesty and serious consequences will result from such behaviors including receiving an “F” for the assignment in question or for the course. Repeated violations may result in expulsion from the school.

PHILOSOPHY

Academic integrity is founded upon and encompasses the following five values: honesty, trust, fairness, respect, and responsibility. Supporting and affirming these values is essential to promoting and maintaining a high level of academic integrity. Each member of the academic community must stand accountable for his or her actions. As a result, a community develops in which students learn the responsibilities of citizenship and how to contribute honorably to their professions.

If knowledge is to be gained and properly evaluated, it must be pursued under conditions free from dishonesty. Deceit and misrepresentations are incompatible with the fundamental activity of this academic institution and shall not be tolerated. Members of the CMASAS community are expected to foster in their own work the spirit of academic honesty and not to tolerate its abuse by others.

First responsibility for academic integrity lies with individual students and faculty members of this community. A violation of academic integrity is an act harmful to all other students, faculty and, ultimately, the school.

Students are expected to practice responsible and honest behavior. Acts of academic dishonesty will not be tolerated at CMASAS and are listed below:

- Cheating on tests, homework, or grading of assignments
- Fabrication (any intentional falsification or invention of date, citation, or other authority in an academic exercise)
- Unauthorized collaboration
- Plagiarism (stealing and passing off as one’s own the words or ideas of another)
- Theft or alteration of materials

Violation of this policy will result in:

First Offense: The student will be issued a warning in regard to the specific violation that was committed. Student will be allowed to resubmit the assignment with no loss of score due to the offence. However, the offence will be documented for future reference. Student will also need to complete a Plagiarism review course prior to completing any additional work or resubmitting the assignment. At the end of the Plagiarism review course, student will sign an acknowledgement form indicating they understand what plagiarism is and are familiar with the Academic Integrity Policy and agree to abide by the policy.

Second Offense: An official letter is sent home to explain the severity of the offence and to further explain what will occur upon a third offense. Student will be required to redo the assignment where the violation occurred. Parent or Guardian will need to sign off stating they have discussed the issue with their child and agree to the consequences of a third occurrence.

Third Offense: Student will be placed on Academic Probation incurring an added tuition of \$100.00 per month for 3 months and the offense being documented in the student’s permanent academic records.

Forth Offense: Student will have tuition permanently adjusted by \$150/month for the additional oversight of the principle/counselor to monitor and to have all assignments reviewed for plagiarism. All exams will need to be proctored.

Course Offerings: At a Glance

Language Arts

Language Arts K
Language Arts 1
Language Arts 2
Language Arts 3
Language Arts 4
Language Arts 5

Mathematics

Math K
Math 1
Math 2
Math 3
Math 4
Math 5

Social Studies

Social Studies K
Social Studies 1
Social Studies 2
Social Studies 3
Social Studies 4
Social Studies 5

Science

Science K
Science 1
Science 2
Science 3
Science 4
Science 5

World Languages

Spanish I
Spanish II
Spanish III
Spanish IV
Spanish V
Spanish VI

Visual & Performing Arts

(log or outside study course)

Art K
Art 1
Art 2
Art 3
Art 4
Art 5
Visual Arts K
Visual Arts 1
Visual Arts 2
Visual Arts 3
Visual Arts 4
Visual Arts 5
Music K
Music 1
Music 2
Music 3
Music 4
Music 5
Dance K
Dance 1
Dance 2
Dance 3
Dance 4
Dance 5
Theater K
Theater 1
Theater 2
Theater 3
Theater 4
Theater 5

Health/Physical Education

Health/P.E. K
Health/P.E. 1
Health/P.E. 2
Health/P.E. 3
Health/P.E. 4
Health/P.E. 5

Technology

Technology K
Technology 1
Technology 2
Technology 3
Technology 4
Technology 5

Language Arts

Language Arts K

Grade Level: Kindergarten

Learn to read and write with Penelope the Pirate! In this course, students will go on a language arts adventure where they'll learn new letters and sounds and how to put them together to make words. Students will go on an alphabet safari, play games, share ideas through drawing and writing, read along with interactive storybooks, and even record themselves sounding out words as they discover a whole new world of letters, sounds and words.

Duration: 2 semesters

Language Arts K A
Language Arts K B

Language Arts 1

Grade Level: 1st

In grade one, students understand the basic features of reading. In this course, students will go on a reading adventure where they'll learn sight words and develop skills in writing, vocabulary, comprehension, phonics, and more. Students will learn to read and write by understanding how letters and letter combinations make certain sounds. Join Cameron the Camper as he uses question words, his spelling backpack, and other fun tools to dive deeper into reading!

Duration: 2 semesters

Language Arts 1 A
Language Arts 1 B

Language Arts 2

Grade Level: 2nd

In this course, students will go on a reading adventure where they'll focus on writing, grammar, phonics, and more. Follow Ninovan the Environmental Scientist on a Citizen Superhero Eco-Challenge, practice sight words with a game of Bingo, and learn how dinosaur fossils can tell stories about Earth.

Duration: 2 semesters

Language Arts 2 A
Language Arts 2 B

Language Arts 3

Grade Level: 3

In this course, students will explore the world of reading and writing as they learn to use context clues and develop skills in spelling, decoding, cursive writing, and more. They'll also use graphic organizers, videos, and assignments to practice opinion, narrative, and informative writing. Students will meet an astronaut, earn badges for the Junior Astronaut Training Handbook, and draw a space academy recruit—all in the name of learning!

Duration: 2 semesters

Language Arts 3 A
Language Arts 3 B

Language Arts 4

Grade Level: 4th

In this course, students will explore the world of reading and writing as they learn skills in spelling, word construction, grammar, cursive writing, and more. They'll also use graphic organizers, videos, and assignments to practice opinion, narrative, and informative writing. Through engaging stories, games, and activities, students will investigate animals in the rainforest, solve a mystery using context clues, and travel around the world while writing in their Interactive Notebooks.

Duration: 2 semesters

Language Arts 4 A
Language Arts 4 B



Language Arts 5

Grade Level: 5th

Students gain knowledge of word origins and word relationships, as well as context clues, to determine the meaning of specialized vocabulary and to understand the precise meaning of grade-level-appropriate words. Instruction includes systematic vocabulary building. Students read and understand grade-level-appropriate material. Students engage in the following learning activities:

- Reading comprehension skill building
- Novel study of *Charlie and Chocolate Factory* and *Wonder*
- Using context clues to arrive at word meaning
- Writing process: Brainstorm, Draft, Revise, Edit, Final draft
- Writing styles include: Creative, Informational, Persuasive, Poetry
- Grammar Instruction
- Greek and Latin Roots

Duration: 2 semesters

Language Arts 5 A

Language Arts 5 B



Mathematics

Math K

Grade Level: Kindergarten

By the end of kindergarten, students understand small numbers, quantities, and simple shapes in their everyday environment. They count, compare, describe and sort objects, and develop a sense of properties and patterns. Students understand the relationship between numbers and quantities (i.e., that a set of objects has the same number of objects in different situations regardless of its position or arrangement). Students understand and/or describe:

- Addition
- Subtractions
- Estimation
- Ones and tens places
- Time
- Weight
- Length

Duration: 2 semesters

Math K A
Math K B

Math 1

Grade Level: 1st

By the end of grade one, students understand and use the concept of ones and tens in the place value number system.

- Add and subtract small
- Measure with simple units
- Describe and analyze data
- Understand and use numbers up to 100
- Organize, represent, and compare data
- Use mathematical reasoning

Understand and use place value

Duration: 2 semesters

Math 1 A
Math 1 B

Math 2

Grade Level: 2nd

Students understand place value and number relationships in addition and subtraction and they use simple concepts of multiplication. They measure quantities with appropriate units. They classify shapes and see relationships among them by paying attention to their geometric attributes. They collect and analyze data and verify the answers. Topics include number sense; algebra and functions; measurement and geometry; statistics, data analysis, and probability; and mathematical reasoning.

Duration: 2 semesters

Math 2 A
Math 2 B

Math 3

Grade Level: 3rd

In Math 3 students will learn about addition and subtraction within 1,000 and understand and use multiplication facts and strategies. They will also understand the basics of division. They will learn about strategies for division, fractions, and measurement. They will also explore time, perimeter, area, volume, mass, and basic geometry. Each lesson will have a lesson in an interactive textbook, a video of an example problem, and homework to practice skills.

Duration: 2 semesters

Math 3 A
Math 3 B



Math 4

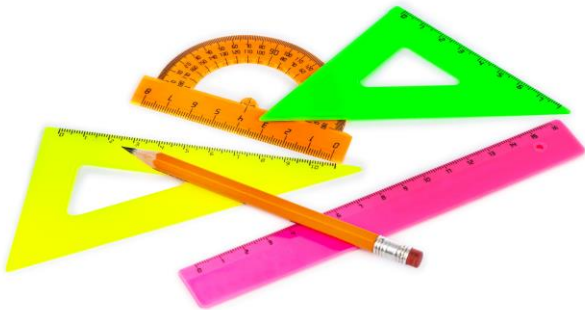
Grade Level: 4th

In Math 4, students will expand understanding of whole numbers and place value. They will develop understanding of multiplication and division strategies of 1- and 2-digit numbers. Students will extend that knowledge to factors, multiples, and patterns. Students will expand understanding of fractions and geometry. Lessons will focus on adding, subtracting, and multiplying fractions. Additionally, lessons will relate fractions and decimals to real life situations. Geometry will focus on two dimensional figures, angles, and measurement. Each unit is comprised of interactive teaching and practice. Lessons allow for explorations of the content, numerous examples, practice, and showing learning in various ways.

Duration: 2 semesters

Math 4 A

Math 4 B



Math 5

Grade Level: 5th

In Math 5, students will expand their understanding of whole numbers and place value. Students will work more with fractions and mixed numbers. They will learn about how to multiply, compare, and divide fractions and mixed numbers. Students will also engage with geometric shapes, patterns, and units of measurement. They expand their problem-solving abilities by using a variety of problem-solving methods. Each lesson will have a lesson in an interactive textbook, a video of an example problem, and homework to practice skills.

Duration: 2 semesters

Math 5 A

Math 5 B

Social Studies

Social Studies K

Grade Level: Kindergarten

Welcome to the Super Citizen Challenge! Join Miriam and her dog, Ziggy, and learn how to be good citizens and earn badges along the way. Through stories, games and videos, students will explore American traditions, seasonal celebrations, geography, and even economics that will take them to new heights.

Duration: 2 semesters

Social Studies K A

Social Studies K B

Social Studies 1

Grade Level: 1st

Super Citizen to the rescue! Join the exciting community of Heroville where students become superheroes-in-training and will undergo the Library Quest scavenger hunt, puzzles, and even solve a mystery. This course will develop students understanding of citizenship in the home, school, and community to become a SUPER citizen.

Duration: 2 semesters

Social Studies 1 A

Social Studies 1 B

Social Studies 2

Grade Level: 2nd

Take the Great American Road Trip! Visit Fort Knox and learn about supply and demand, travel to San Francisco to study trade, and tour Plymouth in your Pilgrim hat. Students can join Team Raging River and play Location Station or visit a Native American museum with Ralph and Camila. Packed with activities, videos, and games, students will study the geography of North America, the impact of immigration, and the foundations of American citizenship while collecting souvenirs along the way.

Duration: 2 semesters

Social Studies 2 A

Social Studies 2 B

Social Studies 3

Grade Level: 3rd

Grab those backpacks, compasses, and maps and get ready for an unforgettable adventure! In this course, hit the road with Cameron and Jason to discover the regions of the U.S, solve a mystery while learning about the countries of North America, tour Source Central to understand American history and civics, and ride the Great Canadian Rail Ride across Canada. Let's go!

Duration: 2 semesters

Social Studies 3 A

Social Studies 3 B

Social Studies 4

Grade Level: 4th

Love games? This is your chance to create your own! Throughout this course, students will travel and collect game cards to uncover people, places, and events in their state. Through videos and games, students will also explore their own backyard while learning how to manage money like setting up a lemonade stand or how to create a savings plan to make those travel dreams a reality.

Duration: 2 semesters

Social Studies 4 A

Social Studies 4 B

Social Studies 5

Grade Level: 5th

Travel the world with Ava, using maps and resources as a guide. Set sail across the Atlantic, watch Memory Moments videos highlighting American history events, use the In Other Words feature to understand primary sources, and solve real-world problems such as choosing where to set up a pet-friendly hurricane shelter. By the end of this course, students will create an entire scrapbook highlighting their favorite memories from the journey.

Duration: 2 semesters

Social Studies 5 A

Social Studies 5 B

Science

Science K

Grade Level: Kindergarten

Dive in and discover science through fun and exploration! This course takes students on a scientific journey where they'll learn skills in research, problem solving, experimentation, and more. With plenty of hands-on and lab investigations, students will go camping with the Sense Squad and follow Superhero Sam as he protects the world and teaches all about science!

Duration: 2 semesters

Science K A

Science K B

Science 1

Grade Level: 1st

Join Astro-Girl as she travels through space to learn about the sun and stars. Then, shrink yourself to the size of a bug in Lily's World of Plants! This course will take students on a scientific journey where they'll learn skills in research, problem solving, experimentation, and more. Students will meet scientists, help a baby duckling find its parents, and follow a zookeeper as he cares for animals.

Duration: 2 semesters

Science 1 A

Science 1 B

Science 2

Grade Level: 2nd

Get to know Earth . . . and everything on it! This course will take students on a scientific journey where they'll learn skills in analysis, engineering, research, problem solving, experimentation, and more. Follow Chef Pierre as he cooks up scientific concoctions, explore with junior inventor Ruby at Fizzworks Factory, and meet Dr. Bodi, who will guide students through the actual human body!

Duration: 2 semesters

Science 2 A

Science 2 B

Elementary School Course Catalog

Science 3

Grade Level: 3rd

Get hands-on learning about physical properties, the energy of motion, the solar system, and more! See the stars with astronomer Professor Cozmo, build a tree house, and discover the science behind skateboarding. In this course, students won't just learn about science, they'll see it in action! Through problem solving, experimentation, creating models, and analyzing and interpreting data, students will explore the world of science like never before.

Duration: 2 semesters

Science 3 A

Science 3 B

Science 4

Grade Level: 4th

In Science 4, students will review the scientific method and apply this knowledge to design their own experiment to help prepare them for the science fair at the end of the course. They will learn about forms of energy, how energy moves, sound energy, and heat energy. After studying energy students will learn about different types of waves. They will learn about plant and animal structures and functions as they relate each structure to the role it plays within the plant or animal. They will learn about plant reproduction, plant and animal life cycles, ecosystems and how living things adapt to survive. Next students will learn about types and properties of earth's rocks and minerals. They will explore fossils and what they can tell us about the history of our planet. Finally, students will design and conduct your own science project.

Lab Kit Included

Duration: 2 semesters

Science 4 A

Science 4 B

Science 5

Grade Level: 5th

In Science 5, students will review the scientific method and practice experimental design to help them get ready to plan experiments and prepare for the science fair. They will learn about mixtures, states of matter, and the atomic theory. After studying matter students look at magnetism, describe magnetic fields, and look at how poles interact. They will explore the universe and take a look at our galaxy and solar system. They will explore how the Earth was formed and the spheres that interact to make life as we know it possible. Then students will learn about the systems that make up the human body and keep us moving. Lastly, students will put their knowledge of the scientific method to the test and design their own science fair project to present. Students can use this as an opportunity to find a problem to solve and test their solution.

Students explore topics through physical lab kits and virtual labs.

Lab Kit Included

Duration: 2 semesters

Science 5 A

Science 5 B



World Languages

Spanish I

Join Juanito and Rosalinda on a trip to explore the sights, sounds, and traditions of Mexico. In this course, students will be introduced to the Spanish language and culture through vocabulary, songs, stories, videos, and more. Along the journey, students will meet the famous Mexican artist Frida Kahlo and learn the story of Araña Pequeñita. They will also record and listen to themselves speaking new words in Spanish. This is the first level of elementary Spanish.

Duration: 2 semesters

Elementary Spanish I A
Elementary Spanish I B

Spanish II

Get ready for an adventure! In this course, students will travel through Spain with Carmen and Mateo to experience the culture and traditions of this beautiful country. Students will continue to build their Spanish speaking and listening skills with new vocabulary, songs, and stories, and even play a Dominoes game!

Duration: 2 semesters

Spanish II A
Spanish II B

Spanish III

The global tour continues! This course takes students on a trip through the scenic country of Peru, where they will learn vowel and letter sounds. Students will join Martín and María as they explore Machu Picchu and learn about the Peruvian culture with an authentic recipe for chocolate caliente.

Duration: 2 semesters

Spanish III A
Spanish III B

Spanish IV

It's island time! Daniela and Santiago guide students on a tour through the colorful culture and traditions of the Caribbean. Students will build on their previous Spanish language skills by learning how to ask and answer questions. Along the way, students will visit the El Yunque Rainforest and learn how to dance the merengue!

Duration: 2 semesters

Spanish IV A
Spanish IV B

Spanish V

Pack your bags—you're going to Argentina! In this course, students will experience the culture and traditions of this unique country alongside Mercedes and Armando. Students will continue to build their Spanish vocabulary, learn about verb conjugations, and use adjectives. Along the way, students will visit interesting places throughout Argentina such as Patagonia and the beautiful waterfalls, Las Cataratas del Iguazú.

Duration: 2 semesters

Spanish V A
Spanish V B

Spanish VI

Costa Rica, here we come! Join Paula and Carlos on a tour through the beautiful culture and lush rainforests of Central America. With an emphasis on using mostly Spanish, this course will help increase students' language skills. In addition, students will learn about greetings in different Spanish-speaking countries, practice writing in Spanish with a typing activity, and continue to practice their speaking and listening skills.

Duration: 2 semesters

Spanish VI A
Spanish VI B

Visual & Performing Arts

Art

Grade Level(s): K - 5th

Elementary art courses are designed with the belief that everyone can learn how to draw and that studying, copying, and learning from the great artists of the past is the best way to develop the great artists of the future.

Each lesson is chosen to represent the principles and elements of ART. Lessons are thoughtfully curated to include works from around the world, works from different time periods, and works from many different art movements. We want your student to be exposed to exceptional masterpieces and fun art mediums and materials as they learn and grow in their skills and confidence as artists. These courses put the emphasis on the “art lesson”. Students will learn to draw, compose, and color at a level that they can achieve. Each unit will include information about the artist and the art and then provide step by step instructions on drawing and coloring their art work.

Duration: 2 semesters

Art K - 5

Visual Arts

Grade Level(s): K - 5th

Students engage in age-appropriate activities. Either planned by parents with guidance from a PEC. Or students may take an art theory and practice online course.

Duration: 2 semesters

Visual Arts K - 5



Theater

Grade Level(s): K - 5th

Students taking theater are usually involved in a local troupe or classes in their community, or even professionally participate in acting or other aspects of the theater. However, students can also opt to identify key skills to develop, align these goals with the course competencies, and have these activities documented for their elementary transcript.

Duration: 2 semesters

Theater K - 5

Music

Grade Level(s): K-5th

Students taking music are usually involved in a local troupe or classes in their community, or even professionally participate in acting or other aspects of the theater. However, students can also opt to identify key skills to develop, align these goals with the course competencies, and have these activities documented for their elementary transcript.

Duration: 2 semesters

Music K - 5

Dance

Grade Level(s): K-5th

Students taking dance are often involved in local classes in their community, and some dance professionally. However, students can also opt to identify key skills to develop, align these goals with the course competencies, and have these activities documented for their elementary transcript.

Duration: 2 semesters

Dance K - 5

Health/Physical Education

Health/Physical Education

Grade Level(s): K-5th

Students demonstrate the motor skills and movement patterns needed to perform a variety of physical activities. They demonstrate knowledge of movement concepts, principles, and strategies that apply to the learning and performance of physical activities. Students assess and maintain a level of physical fitness to improve health and performance. Students demonstrate knowledge of physical fitness concepts, principles, and strategies to improve health and performance.

Activities are developmentally appropriate in terms of age and individual ability, and each student sets health and PE goals which are regularly evaluated and adjusted.

Duration: 2 semesters

Health/PE K - 5



Technology Education

Keyboarding

Grade Level(s): K-5

Students learn proper finger placement and engage in systematic instruction to build both accuracy and speed. Instruction is customized to student skill level and learning preferences, continuously increasing fluency and efficiency in typing skills.

Duration: 1 semester

Keyboarding K - 5

Elementary Technology K

Grade Level(s): K

Join the Digital Defenders in the fight against sneaky Spam Spider and evil Dr. Malware! In this course, students will blast into cyberspace where they'll learn about cyberbullying, being a good digital citizen, and how to stay safe on and off the computer. Students will even learn pre-coding skills by breaking down simple tasks and putting them in step-by-step order. Through fun games and videos, they'll use search engines, learn the different parts of an email, and discover the exciting world of technology!

Duration: 2 semesters

Technology Literacy K A
Technology Literacy K B

Elementary Technology 1

Grade Level(s): 1

Go on a scavenger hunt with Community Helper Kyle! In this course, students will blast into cyberspace where they'll learn about problem solving, breaking down tasks into steps, and how to stay safe on and off the computer. Through fun games and videos, they'll find and remove computer bugs, build a playground with a computer-programming robot, and create their own digital artifact.

Duration: 2 semesters

Technology Literacy 1 A
Technology Literacy 1 B

Elementary Technology 2

Grade Level(s): 2

Join Travis on safari through the Purple Lily Jungle! In this course, students will blast into cyberspace where they'll learn about loops and iterations, how to stay safe on and off the computer, how to tell a computer program what to do, and more. Through fun games and videos, students will problem-solve with keywords, practice their coding skills while helping an alien, and create a digital artifact about their travels.

Duration: 2 semesters

Technology Literacy 2 A
Technology Literacy 2 B

Elementary Technology 3

Grade Level(s): 3

Master the QWERTY keyboard with Maya! In this course, students will journey deeper into cyberspace as they learn where to put their fingers while typing, how technology helps people with special needs, and more. From playing online coding games to getting unplugged, students will learn to balance their time both on and off the computer.

Duration: 2 semesters

Technology Literacy 3 A
Technology Literacy 3 B



Elementary Technology 4

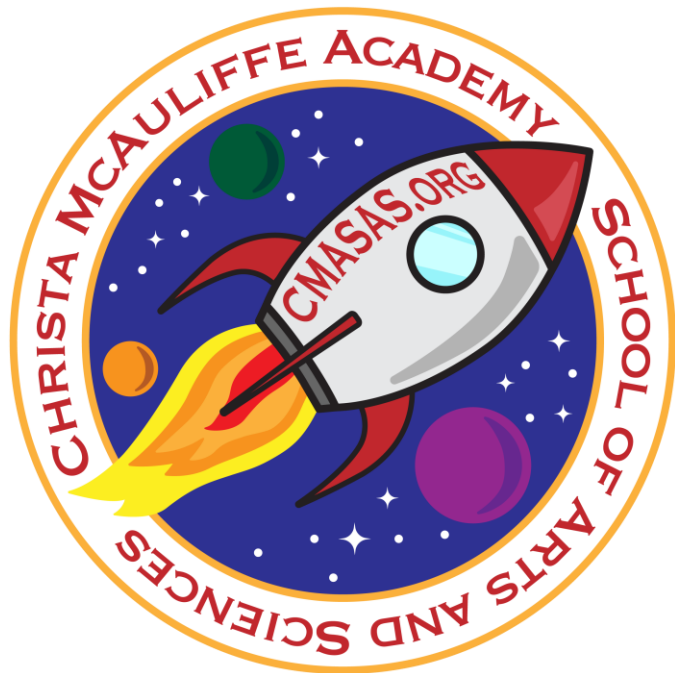
Grade Level(s): 4

Make a cat dance from New York to the Alps with coding! In this course, students will journey deeper into cyberspace as they learn to spot and stop cyberbullying, use Microsoft Word Online, research artificial intelligence, and more. From coding practice with online games to finding things to do on- and offline, students will develop their growing technology skills while having fun!

Duration: 2 semesters

Technology Literacy 4 A

Technology Literacy 4 B



Elementary Technology 5

Grade Level(s): 5

Join the Viking Robots of Datanorse on their quest to discover their past! In this course, students will journey deeper into cyberspace as they learn the impact of social media, what makes a computer tick, how to share data with Microsoft Excel Online, and more. Through fun games and videos, students will practice coding and focus on typing accuracy and speed. With the help of Riyaz, the Social Media guide, they'll also share what they've learned by creating their own PowerPoint presentation.

Duration: 2 semesters

Technology Literacy 5 A

Technology Literacy 5 B