STEM MINDS
Science Technology Engineering Math

2019/2020

STEM MINDS ONLINE ACADEMY (SMOA)PROGRAM GUIDE

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Science Technology Engineering Math

WWW.STEMMINDS.COM

STEM MINDS ONLINE ACADEMY

The world of STEM, right at your fingertips. The STEM Minds Online Academy is a holistic collection of online STEM courses to empower students to learn STEM, no matter where they are. Our e-learning platform makes it simple for teachers, students, and parents to learn, track their progress, and get help when they need it. All programs come with detailed curriculum, assessments, and customizable course structures to fit your needs.

PRICING & PACKAGES

PACKAGE 1: BOARD-WIDE ACCESS

Bring your board into the world of 21st century learning. With board-wide access to the STEM Minds Online Academy, students get access to a suite of courses to meet your board goals and take student learning and engagement to the next level. With support from our expert team, implementation is quick and easy.

	# of Students	Cost per Student	Total Cost/Year
5 Course Package	4000	$10.00	$40,000
	8000	$8.00	$64,000
	12000	$6.00	$72,000
	16000	$5.00	$80,000
10 Course Package	4000	$15.00	$60,000
	8000	$12.00	$96,000
	12000	$9.00	$108,000
	16000	$7.50	$120,000
15 Course Package	4000	$20.00	$80,000
	8000	$16.00	$128,000
	12000	$12.00	$144,000
	16000	$10.00	$160,000

For details, please contact us at info@stemminds.com

PRICING & PACKAGES

PACKAGE 2: SINGLE SCHOOL ACCESS

Bring the best of STEM learning to your school. With our easy to implement and curriculum connected courses you can fast track your STEM learning goals and get your students engaged in hands-on learning.

Customize your package with the courses you know will most interest your learners and pay a simple per student fee to keep costs low.

With backing from our expert team, your teachers and learners have the support they need to get started and keep the learning journey going!

	# of Students	Cost per Student	Total Cost/Year (dependent on max #)
Per Course	1-100 101-299 300-399 400-499 500+	$15.00 $14.00 $13.00 $12.00 $10.00	$1,500 $4,200 $5,200 $6,000 Please contact

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PRICING & PACKAGES

PACKAGE 3: STEM MINDS WORKSHOPS WITH ONLINE ACADEMY ACCESS

Want to launch STEM learning in your class with support? Try our workshop and e-learning package to get things off to a great start with your class and then take the reigns yourself.

Register for an in-person or virtual workshop led by our expert staff and take advantage of our special pricing to get teacher access to the companion online course to continue the learning with your students. Additional teacher-only licenses can be purchased for a reduced fee to increase your impact!

Cost Per In-Person Workshop	$450 + HST	**Cost Per Virtual Workshop**	$250 + HST
Additional Cost for 1 Teacher Access Acount to SMOA (1 calendar year)*	$150 + HST	**Cost Per Additional Teacher Access Accounts (1 calendar year)***	$100 + HST

*single teacher account only; student accounts incur additional fees. Price only valid in combination with in person or online workshop registration.

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SMOA COURSE LIST

Course	Grades	Course Description	Required Equipment
LEGO Robotics	4-12	Students will learn the fundamentals of coding and robotics with the LEGO Ev3. Students will work through missions and challenges as they explore the main features of the LEGO Ev3, learn to troubleshoot their code, and discover how coding and robotics is being used in the world today.	• LEGO Ev3 Robots • Tablets or computers with Mindstorm software
App Development	4-12	Everyone has an idea for a great app, so why not learn how to make that idea a reality? Learn how to design your very own app prototype that you can download and use right on your phone! Learn about coding and programming, quality design, user experience and user interface, and more as you go through the process of creating an app from the ground up!	• Computers with an internet connection
Coding with Python	5-12	Learn the fundamentals of coding in one of the most popular programming languages. With Python, students will explore new skills and exciting challenges to advance their understanding of computers and programming all while learning a new language; the language of coding!	• Computers with an internet connection
Sphero Robotics	4-8	Students will learn the fundamentals of coding and robotics with the Sphero robot. Students will work through missions and challenges as they explore the main features of the Sphero robot, learn to troubleshoot their code, and discover how coding and robotics is being used in the world today.	• Sphero robots • Tablets with Sphero EDU app
3D Design* *please note that this course focuses on 3D Design only. Using 3D printers or how-to's for specific 3D printers are not discussed due to the individual nature of each 3D printer.	4-12	Explore the world of 3D Design as you explore the fundamentals of this exciting technology. Using TinkerCAD, students will learn important concepts related to digital design in 3 dimensions as they explore the real world applications of this technology. From just getting started to advanced design techniques, students will explore a variety of projects designed to test their skills and showcase their creativity!	• Computers with an internet connection • Mice recommended • Access to a 3D printer recommended
Video Game Design	4-12	Why just play video games when you can design one yourself? Using Flowlab, students will explore what it means to be a video game designer as they develop an engaging story, design their levels and characters, and program their game mechanics. This course will lead students through the entire process of creating a video game from the ground up, leaving them with a fully playable and shareable video game to enjoy for years to come!	• Computers with an internet connection

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Course	Grades	Course Description	Required Equipment
Coding with micro:bit	4-12	Want to get hands on in the world of coding? Coding with micro:bit is an introductory course based on a block-based language with options to write code in text-based languages like Java-script and Python. Using the built in LED screen, buttons, and sensors like the accelerometer, students will create a variety of games and projects as they learn the fundamentals of this exciting technology!	• Computers with an internet connection • Microbit kit recommended but not required (virtual simulator available)
Young Entrepreneurs (Tech)* *this course will have 2 sister courses: Young Entrepreneurs (Business) and Young Entrepreneurs (Project) launching by the end of 2020.	4-12	Technology is reshaping the world of business and entrepreneurship, so there's never been a better time to get on board! In this course, students will be introduced to 4 technologies; 3D Design, App Development, Web Design and Arduino Coding. They will explore how these technologies are being used by entrepreneurs as well as learn the skills they need to wield these technologies themselves to create amazing products and businesses that are sure to change the world for the better!	• Computers with an internet connection • Arduino Uno kit recommended but not necessary (virtual simulator available)
Public Speaking	4-12	Communication is the key to success! In this course, students will learn the fundamentals of successful public speaking as they work towards their final project; their first TED Talk! Students will choose their idea worth sharing and use the skills and strategies they have learned to present in a TED Talk-style presentation, as they boost their confidence, share their ideas, and make their voice heard!	• Computers with an internet connection
Web Development	4-12	Have a website you love? Well, it's powered by HTML! In this course, students will explore this important programming language as they learn to create their own websites from scratch using HTML and CSS.	• Computers with an internet connection
Unity Game Development	6-12	Ever wondered how some of your favourite games are made? Now's your chance to learn how to program games with one of the industry's most popular tools; Unity! Gain hands-on experience in the Unity editor as you build your very own 2D or 3D game! Learn about important game development concepts like how to create objects, components, collisions, and more!	• Computers with Unity software

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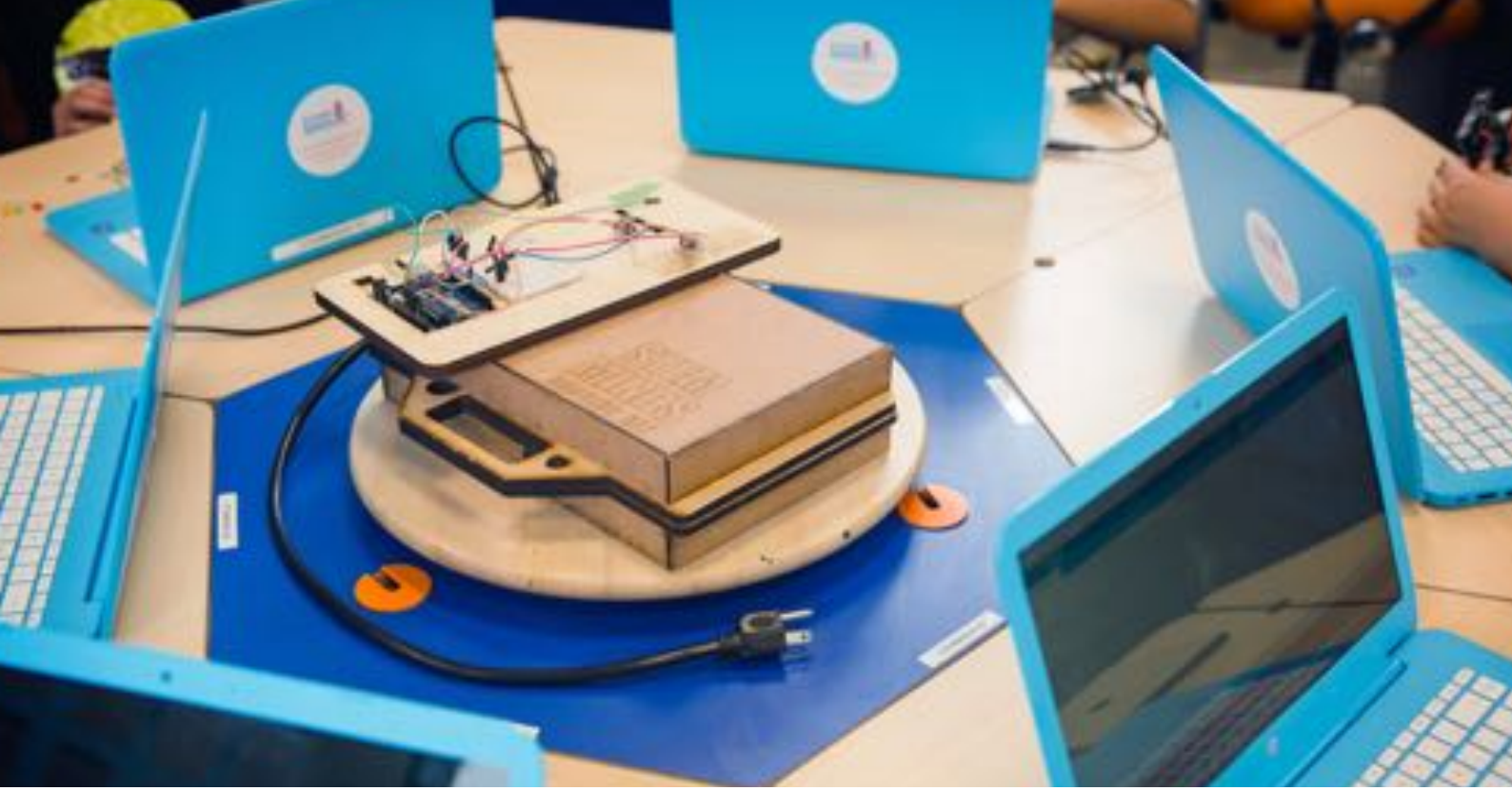
Course	Grades	Course Description	Required Equipment
Film & Photography	4-12	Dream of being a professional photographer? Consider yourself the next Spielberg? Just want to have your Instagram feed look amazing? Get ready for Film & Photography, where you will explore the best of both worlds. Learn new skills and build your portfolio with amazing photos and videos that you create, film, and edit to show off your talents.	• Tablets or devices with Stop Motion Studio app • Computers with an internet connection
Coding with Scratch	4-8	Developed by MIT, Scratch is an amazing coding platform that allows students to create digital animations and games. In this course, students will learn to code as they create animated characters that really look like they're moving, scenes and dialogue, and even fully playable games! In short, students will learn the fundamentals of programming as they explore the creative side of code!	• Computers with an internet connection
Coding with Processing	4-12	Learn the fundamentals of coding in one of hottest programming languages; Processing! This unique programming language combines coding with digital arts to create animations. Designed for non-programmers to learn the fundamentals of computer programming, this language is a great starting point for even the most hesitant programmers to explore the creative side of code!	• Computers with Processing software

COMING SOON!

- Minecraft
- Graphic Design
- Coding with Java
- Coding with C++
- Dash n' Dot Robotics
- Integrative Thinking
- Computer Music
- SHSM Programs
- Ice Training
- Blockchain
- IoT
- Artificial Intelligence
- Databases
- Cryptography
- Esports
- and more!

Contact us at info@stemminds.com for more information!



TERMS & CONDITIONS

Privacy Agreement:
https://stemminds.com/smoa-privacy-policy/

End User Agreement:
https://stemminds.com/smoa-terms-of-use-2-2/

Service Agreement:
https://stemminds.com/smoa-service-agreement-template/

License Agreement:
https://stemminds.com/smoa-curriculum-license-agreement-template/

SUPPORT & TRAINING

As part of any package option with the STEM Minds Online Academy, users will have access to:

1. Email and phone support 8:00 am – 7:00 pm Monday – Friday.

2. Pre-recorded training webinars for initial onboarding as well as detailed onboarding for specific courses. Live training webinars can be organized. Additional fees may apply.

3. Teacher Guides with specific tips, additional activities, and guidance for teachers specific to selected courses.

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