



NEW AI DISCOVERY

AI Education for Students: Multi-Week Classes 2024

AI Explorers Program for High School Students

Program Highlights

- Comprehensive 6-week program for in-depth AI learning
- Hands-on projects and real-world AI applications
- Tailored content based on student interests
- Extended support and resources for 16 weeks post-program

Program Basics

- **Duration:** 6 Weeks
- **Price:** Starts at \$3,600 (\$30 per student per session)
- **Audience:** High School Students
- **Obtained Expertise:** 85th Percentile
- **Participants:** From 20 to 60 participants

What's Included

- 4 to 8 In-Person Workshops (2 hours each, 1-2 sessions per week)
- 8 Virtual Follow-up Sessions (90 minutes each, bi-weekly for 16 weeks)
- Extensive Learning Materials
- Students Explorer's Playbook (Digital + Physical)
- 6-month access to Emerson Library™ and Visionland™ platforms

Unique Experiences

- Individual AI Project developed over the 6-week period
- Group Presentations sharing project progress and learnings
- Content adaptation based on student interests (e.g., AI in sports, music, or science)

Curriculum Highlights

Module 1: AI Basics for Students

- Introduction to Machine Learning (70% coverage)
- Natural Language Processing Basics (65% coverage)
- AI Ethics and Responsible Use (75% coverage)

Module 2: AI Applications and Projects

- Building Simple Chatbots (70% coverage)
- Image Recognition Projects (65% coverage)
- AI in Gaming (70% coverage)

Support and Resources

- Discord server access for 60 days, monitored during business hours
- 3-month access to AI in Education resource library
- AI project starter kits (e.g., Raspberry Pi with AI software)

Outcomes and Certification

- Weekly quizzes and a final assessment
- Completed AI project with presentation
- AI Explorers Program certificate

Why Choose Our AI Executive Education

- In-depth exploration of AI concepts and applications
- Personalized learning experience tailored to student interests
- Emphasis on practical skills and project-based learning

Dates & Prices

Prices are in CAD. See complete terms and conditions [here](#).

Student training starts at \$3,600. Transparent price information with clear learning objectives discussed during the Discovery conversation.

Get Started

Ready to take your students on an AI exploration journey?

Contact us to secure spots in our next Multi-Week Classes program.

Emerson Academy | Empowering Executives with AI Knowledge and Strategy

<http://emersonacademy.org> | **778 988 2570** | hello@emersonacademy.org

Detailed Curriculum Outline

WEEK 1-2: FOUNDATIONS OF AI

Session 1: What is Artificial Intelligence? (2 hours)

- Comprehensive introduction to AI concepts
- Historical development and current state of AI
- Activity: AI or Not AI game

Session 2: Introduction to Machine Learning (2 hours)

- Basic concepts of machine learning
- Supervised, unsupervised, and reinforcement learning
- Hands-on activity: Training a simple ML model

Session 3: Natural Language Processing Basics (2 hours)

- Fundamentals of NLP
- Applications of NLP in everyday life
- Workshop: Text analysis using simple NLP tools

Session 4: AI Ethics and Responsible Use (2 hours)

- Ethical considerations in AI development and use
- Bias in AI systems and its implications
- Debate: Ethical dilemmas in AI applications

WEEK 3-4: AI APPLICATIONS AND TOOLS

Session 5: Building Simple Chatbots (2 hours)

- Chatbot architecture and functionality
- Popular chatbot platforms and tools
- Project: Developing a themed chatbot

Session 6: Image Recognition Projects (2 hours)

- Basics of computer vision and image recognition
- Applications in various fields (medicine, security, etc.)
- Hands-on lab: Creating an image classifier

Session 7: AI in Gaming (2 hours)

- AI's role in game development and gameplay
- Pathfinding algorithms and decision-making in games
- Workshop: Modifying AI behavior in a simple game

Session 8: Voice Assistants and Speech Recognition (2 hours)

- Fundamentals of speech recognition technology
- How voice assistants work
- Activity: Experimenting with speech-to-text and text-to-speech

WEEK 5-6: ADVANCED TOPICS AND PROJECT WORK

Session 9: AI in Science and Research (2 hours)

- AI applications in various scientific fields
- How AI is accelerating scientific discoveries
- Case study analysis: AI breakthroughs in science

Session 10: Creative AI: Art and Music Generation (2 hours)

- AI in creative processes
- Tools for AI-assisted art and music creation
- Workshop: Creating AI-generated art or music

Session 11-12: Individual AI Project Development (4 hours)

- Students work on their chosen AI projects
- One-on-one guidance and troubleshooting
- Peer review and feedback sessions

FINAL SESSION: PROJECT PRESENTATIONS

Group Presentations (2 hours)

- Students present their completed AI projects
- Q&A and peer evaluation
- Reflection on learning journey and future AI aspirations

TRANSFORMATIONS & TAKEAWAYS

- Comprehensive understanding of AI fundamentals and applications
- Practical skills in using various AI tools and platforms
- Experience in developing and presenting an AI project
- Awareness of ethical considerations in AI development and use
- Enhanced problem-solving, critical thinking, and presentation skills

This intensive 6-week program is designed to provide high school students with a thorough understanding of AI concepts and hands-on experience with AI tools and applications.

POST-PROGRAM SUPPORT

- 8 virtual follow-up sessions (90 minutes each, bi-weekly for 16 weeks)
- Continued access to Discord server for peer learning and support
- Guidance on further AI learning resources and opportunities

Take Action Today

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