Gender and STEM Education Training Course

Professional Development Training Course Outline

Category	Gender Studies	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In today’s rapidly evolving knowledge economy, addressing gender disparities in STEM (Science, Technology, Engineering, and Mathematics) education is critical for achieving equitable access and inclusive innovation. Gender and STEM Education Training Course emphasizes transformative approaches to empower women, girls, and underrepresented gender groups in STEM disciplines. Participants will explore strategies to dismantle systemic barriers, foster gender-responsive pedagogy, and cultivate inclusive learning environments that encourage diverse talent to thrive in scientific and technological fields.

The training leverages cutting-edge research, global best practices, and real-world case studies to equip educators, policymakers, and stakeholders with actionable tools. Through interactive learning, collaborative problem-solving, and evidence-based strategies, participants will learn to design programs, policies, and initiatives that promote gender equality in STEM. This course empowers learners to become catalysts for change, ensuring that gender equity becomes a foundational principle in STEM education worldwide.

Programme Curriculum

Gender and STEM Education Training Course

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Course Objectives

1. Analyze gender disparities and systemic barriers in STEM education.
2. Apply gender-responsive pedagogy in classroom and institutional settings.
3. Develop strategies for promoting girls' participation in STEM.
4. Utilize mentorship and role-model programs to support underrepresented genders.
5. Implement inclusive STEM curricula and teaching methodologies.
6. Evaluate policies for gender equity in STEM education.
7. Integrate technology and innovation to enhance gender inclusion.
8. Design interventions addressing socio-cultural barriers to STEM participation.
9. Foster leadership skills among female and non-binary STEM students.
10. Promote advocacy campaigns to raise awareness on gender in STEM.
11. Measure and analyze gender equity outcomes using data-driven approaches.
12. Develop partnerships with industry and community stakeholders for inclusive STEM initiatives.
13. Incorporate global best practices and case studies to inform local actions.

Target Audience

1. STEM educators and teachers
2. School administrators and principals
3. Education policymakers and government officials
4. Curriculum developers
5. NGOs and advocacy organizations focused on gender equity
6. STEM mentors and coaches
7. Researchers in education and gender studies
8. Industry professionals interested in STEM diversity initiatives

Course Modules

Module 1: Gender and STEM Landscape

- Global trends in STEM participation by gender
- Systemic barriers to gender equity in STEM
- Socio-cultural influences on STEM engagement
- Intersectionality in STEM education
- Case Study: UNESCO report on girls in STEM

Module 2: Gender-Responsive Pedagogy

- Inclusive teaching strategies for diverse learners
- Designing lesson plans that challenge stereotypes
- Encouraging collaborative and participatory learning
- Addressing unconscious bias in classroom interactions
- Case Study: Gender-inclusive curriculum in Finnish schools

Module 3: Mentorship and Role Models

- Importance of mentorship in STEM
- Creating peer-to-peer support networks
- Connecting students with professional role models
- Developing long-term mentorship programs
- Case Study: “Girls Who Code” mentorship initiatives

Module 4: Policy and Advocacy for Equity

- Reviewing national and international STEM policies
- Gender budgeting and equity audits
- Advocacy strategies for school and community engagement
- Leveraging policy to create systemic change
- Case Study: Title IX implementation in the USA

Module 5: Technology and Innovation in STEM Education

- Leveraging digital tools for inclusive learning
- Gamification to engage diverse learners
- Online platforms and virtual labs for STEM access
- Supporting underrepresented genders through tech
- Case Study: Khan Academy initiatives for girls

Module 6: Leadership and Career Development

- Building leadership skills in STEM students
- Career pathways for underrepresented genders
- Networking and professional development opportunities
- Encouraging entrepreneurial STEM projects
- Case Study: Women in Engineering leadership programs

Module 7: Monitoring, Evaluation, and Research

- Gender-disaggregated data collection
- Measuring impact of interventions
- Using research to inform practice
- Continuous improvement through feedback mechanisms
- Case Study: Gender STEM dashboard in European schools

Module 8: Community and Industry Engagement

- Partnering with industry for internships and scholarships
- Engaging parents and communities for STEM support
- Creating STEM clubs and community projects
- Promoting STEM awareness campaigns
- Case Study: STEM for Girls program in Kenya

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

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