

Strategies for  
Mentorship,  
Advocacy, and  
Creating  
Opportunities

# EMPOWERING THE NEXT GENERATION OF WOMEN IN STEM



# WHY EMPOWERING WOMEN IN STEM MATTERS

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- Increasing female participation in STEM enriches innovation and creativity.

2

- Diverse perspectives contribute to scientific advancements and solutions.

3

- Empowering women in STEM closes the gender gap and drives societal progress.

# CURRENT CHALLENGES FOR YOUNG WOMEN IN STEM

- Gender stereotypes and biases discourage interest in STEM from a young age.



- Limited access to female role models and mentors in STEM fields.



- Barriers in education, funding, and career advancement limit growth opportunities.

# ADDRESSING GENDER STEREOTYPES IN STEM

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- Challenge stereotypes through education and awareness programs.

2

- Promote positive female STEM role models in media and education.

3

- Encourage girls to explore STEM from an early age, fostering curiosity.



THE ROLE OF  
MENTORSHIP  
IN  
EMPOWERING  
WOMEN

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- Mentorship provides guidance, support, and confidence for young women.

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- Mentors share valuable insights on navigating the STEM landscape.

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- Building mentor-mentee relationships encourages long-term career growth.

# TYPES OF MENTORSHIP SUPPORT



- Academic Mentorship: Guidance on educational and career pathways.



- Professional Mentorship: Insight into industry-specific skills and networks.



- Peer Mentorship: Support from fellow women in STEM fosters a sense of belonging.



## BUILDING A MENTORSHIP PROGRAM

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- Define program goals, such as skills development, networking, or career guidance.
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- Pair mentors and mentees based on shared interests or career aspirations.
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- Regular check-ins and feedback help maintain productive relationships.



CREATING  
OPPORTUNITIES  
THROUGH  
ADVOCACY

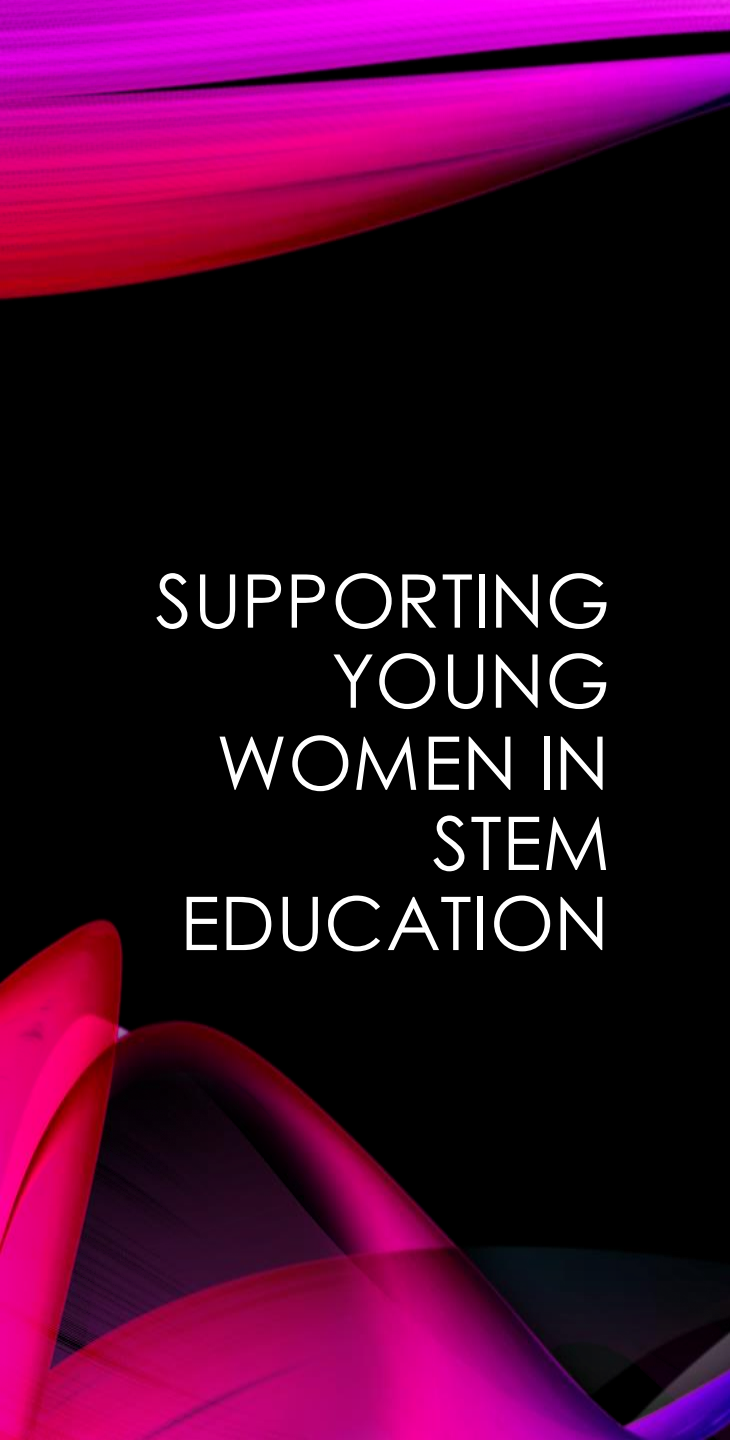
- Advocacy involves championing systemic changes that support women in STEM.

- Promote policies that encourage equal access to STEM education and funding.

- Advocate for visibility of women's achievements in STEM.

# SYSTEMIC CHANGE IN EDUCATION AND INDUSTRY

Encourage	- Encourage inclusive curriculum that reflects contributions of diverse women in STEM.
Provide	- Provide scholarships, grants, and resources tailored to support women.
Offer	- Industry partnerships can offer internships, apprenticeships, and job opportunities.



# SUPPORTING YOUNG WOMEN IN STEM EDUCATION

Create

- Create outreach programs that expose girls to STEM subjects early on.

Provide

- Provide access to hands-on learning, workshops, and STEM competitions.

Cultivate

- Cultivate a supportive environment that reinforces interest and persistence.



# BUILDING CONFIDENCE AND RESILIENCE

- - Help young women develop a growth mindset to handle challenges.
- - Encourage self-advocacy and confidence-building activities.
- - Recognise and celebrate achievements to reinforce positive growth.





# THE IMPACT OF FEMALE ROLE MODELS

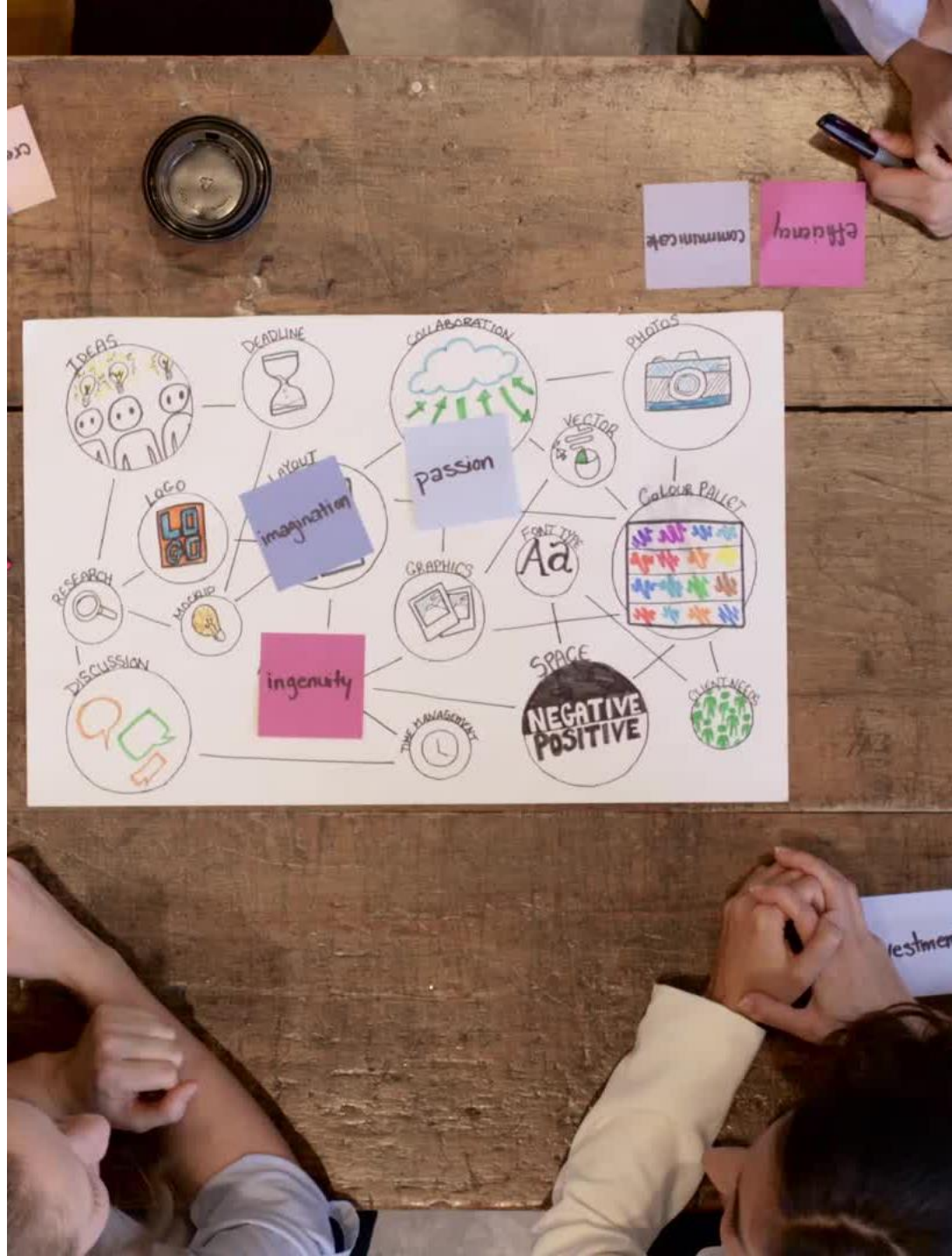
- Role models inspire young women to pursue and persevere in STEM careers.

- Highlighting successful women in STEM shows diverse pathways to success.

- Role models break down stereotypes and expand career aspirations.

# ACTIVITY: DEVELOP A MENTORSHIP OR OUTREACH PROGRAM

- - Participants design a program that mentors or supports young women in STEM.
- - Outline objectives, target audience, and types of support to be provided.
- Outcome: A practical plan for empowering the next generation in STEM.



# LEVERAGING NETWORKS AND COMMUNITIES



- Join or create professional networks dedicated to women in STEM.



- Organise STEM events and workshops to build a strong support system.



- Networks provide access to mentors, resources, and career opportunities.



## PROVIDING ACCESSIBLE RESOURCES

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- Offer resources like scholarships, study materials, and online courses.

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- Connect young women with platforms that provide hands-on STEM learning.

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- Accessibility in resources helps bridge gaps and supports skill development.



## RESOURCES FOR MENTORSHIP AND EMPOWERMENT

- Books: 'Lean In' by Sheryl Sandberg, 'Women in Science' by Rachel Ignotofsky.

- Mentorship Platforms: Websites connecting young women with mentors.

- STEM Organisations: Support networks that focus on women in STEM.

## ADDITIONAL SUPPORT AND LEARNING OPPORTUNITIES



- Online Courses: STEM courses on platforms like Khan Academy and Coursera.



- Conferences and Competitions: Encourage participation in STEM-related events.



- Industry Partnerships: Collaborate with companies to provide internships.



## KEY TAKEAWAYS

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- Mentorship, advocacy, and creating access are essential for empowering young women in STEM.

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- Systemic change in education and industry can reduce barriers.

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- Empowering women in STEM supports long-term innovation and progress.