



How to Study and Be Successful in YOUR Science and STEM Classes



Meet Your Speaker



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Introduction

What we'll cover in today's webinar



Study Techniques for STEM Classes



Preparing for a Career in STEM



Open Q&A

Mastering Study Techniques for STEM Success

- Active learning: Engage with material through problem-solving and discussions
- Concept mapping: Visually organize and connect ideas, especially in complex subjects like organic chemistry
- Study groups: Collaborate to tackle challenging concepts and share diverse perspectives



Optimizing Time Management in STEM Studies



- Prioritization matrix: Identify urgent vs. important tasks to manage workload effectively
- Pomodoro technique: Use focused study intervals with short breaks to enhance concentration
- Regular review sessions: Schedule weekly reviews to reinforce learning and prepare for exams

Strategies for Mastering Calculus

- Understand theorems conceptually rather than memorizing them
- Apply calculus problems to real-life scenarios for better understanding
- Complete a lot of practice questions



Navigating the Intricacies of Chemistry



- Use mnemonic devices for memorizing periodic table trends and chemical reactions
- Practice with real-world examples to understand chemical concepts
- Regularly solve practice problems, especially for organic chemistry structures

Exploring the Wonders of Physics

- Relate physics principles to everyday phenomena for practical understanding
- Use diagrams and visual aids to understand complex theories and laws
- Solve a variety of problems to master different aspects of physics



Critical Thinking: Key to STEM Problem-Solving



- Question assumptions in scientific theories and experiments
- Analyze data critically to draw logical conclusions
- Engage in debates and discussions to strengthen argumentation skills

Bridging Classroom Learning with Real-World Applications

- Case studies: Relate theoretical knowledge to practical situations, especially in PreMed fields
- Project-based learning: Engage in projects that simulate real STEM industry challenges
- Internships and lab work: Gain hands-on experience to apply classroom knowledge in professional settings



Preparing for Your Future in STEM



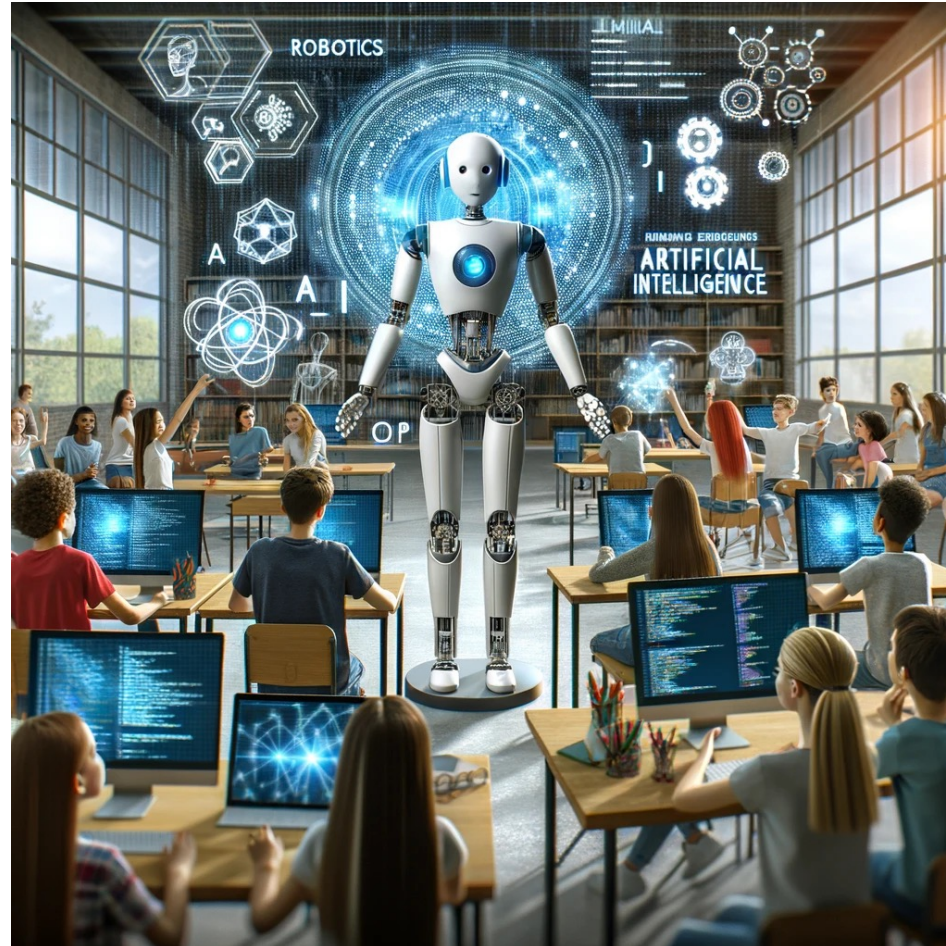
- Explore different STEM careers and understand the required skills and qualifications
- Network with professionals and alumni in your field of interest
- Stay informed about emerging trends and technologies in the STEM industry

Leveraging Resources for Continuous Learning

- Online platforms (e.g., Coursera, Khan Academy) for supplemental learning
- Academic journals and publications for staying updated with scientific research
- Mentoring and tutoring programs for personalized academic support



Final Tip: Embrace AI



prospective
doctor



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Q&A

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If you have any questions, please
feel free to reach out to me at
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