# Introduction to Research.

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# **Agenda**

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- **02.** Why Get Involved in Research?
- **03.** Research Helps You Learn and Grow.
- **04.** Benefits Students Can Reap from Research.
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### What is Research?

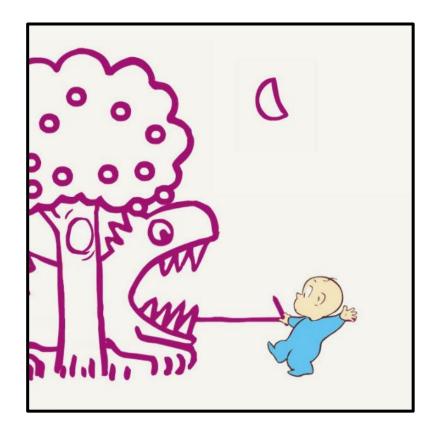
- A methodical way to find answers to questions
- Involves asking questions, gathering information, and testing ideas
- Helps us discover new knowledge and solve problems





### Why Get Involved?

- **Explore** your curiosity and interests deeply.
- **Experience** real-world scientific thinking and problem-solving.
- Develop skills beyond the classroom critical thinking, data analysis, communication.



# Learning & Growth.

- Learn how to design experiments and analyze data.
- Understand complex concepts by doing, not just reading.
- Work closely with experts and mentors in your field.



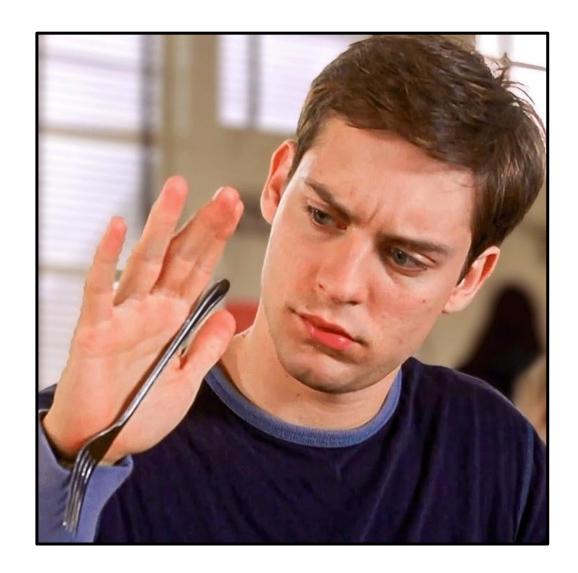
### Benefits.

- Build Critical Thinking: Learn to ask good questions and evaluate evidence.
- Improve Communication: Present your ideas clearly in writing and talks.
- **Gain Experience**: Stand out in college and job applications with hands-on skills.
- **Boost Confidence**: Take ownership of projects and solve real problems.
- Open Career Opportunities: Discover careers in science, technology, medicine, and more.
- Collaborate: Work in teams and network with researchers and peers.



# High-Impact Experiences.

- Increases problem-solving and analytical skills.
- **Encourages** independent and creative thinking.
- **Prepares** you for advanced studies and competitive programs.
- Helps build resilience through dealing with challenges and failures.



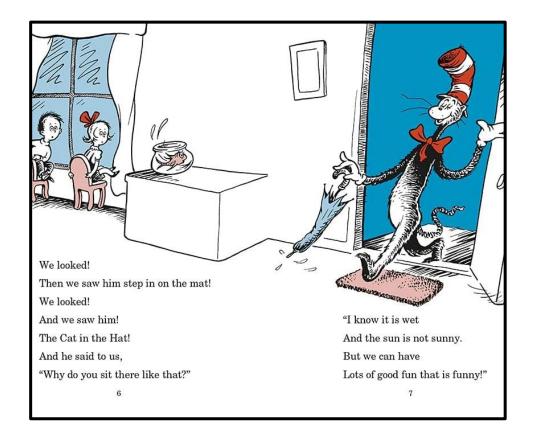
### Tangible Impacts.

- Research improves health, technology, environment, and society.
- Your work can contribute to important discoveries.
- Being part of the research community means helping solve today's big challenges and future challenges too!



### **How to Get Started?**

- Find research opportunities in school, universities, or online.
- Talk to teachers or professors about your interests.
- Join clubs, competitions, or summer research programs.
- Start small projects or experiment at home. You can't stigmatize research to just something conducted in a lab, or a novel idea.



### Summary.

- Research is about questioning, investigating, and discovering.
- Get involved to develop skills, confidence, and career options.
- Your contributions matter and can make a difference.



### Q&A.

- What **questions** do you have?
- What research topics **interest** *you*? Don't be afraid to tread with interdisciplinarity!
- How can you take the next step in doing research?

