

What is the effect of research opportunities in retention and graduation rates?

Problem	How RESEARCH can HELP
Lack of financial resources	Stipends, work experience
Feelings of Isolation	Sense of belonging. Belonging improves motivation. Students also realize that their role models (faculty/postdocs) have expectations from them. Students respond excellently after realizing that somebody believes and expects results from them.
Academic deficiencies	Research is a learning opportunity, it is an excellent way to instill a self driven personality
Relevance of their study	Clarification of their educational goals Innovation, an opportunity to benefit society

Research teaches that success is not a result of luck; hard work and opportunities have to co-exist.

The opportunity to have “hands on” research experiences helps students to:

Become aware of latest technology breakthroughs

Develop critical thinking skills

Learn complex concepts

Develop writing, communication and presentation skills

Face failure and solve problems (ample opportunities)

Design a path for success

Function independently

Develop time management skills

Establish a personal connection to their job

Add years of working experience

Students also have an opportunity to further develop:

- Work ethics
- Discipline
- Responsibility
- Persistence
- Determination

How to design effective opportunities?

- Willingness to mentor
- Feasible projects
- Opportunity to develop practical applications
- Innovative

How about motivating students to develop research projects or innovative mindsets?

The EXPLORAVISION Method:

Invent a product, system, method....that is not possible now but could exist 20 years from now

Present Tech

History

Future Tech

Breakthroughs

Design Process

Consequences

Bibliography

Graphics

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Ice floats on water. water



Por qué flota el hielo en



Is corrosion your worst



CORROSION: ALIADO O



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<https://youtu.be/ZU9PdNzILNs>