

Career Exploration Project

How is Physics a part of YOUR career choice?

Astrophysicist

Microbiologist

Neuroscientist

Experimental Physicist

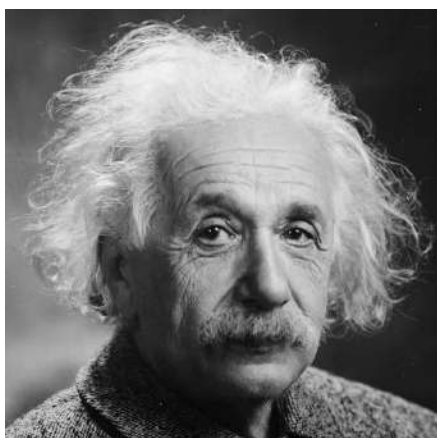


Pharmaceutical Sales Rep

Theoretical Physicist

Mechanical Engineer

Famous People with a Science Degree



Portions of the Project



- A. Identify careers that interest you.
Come up with a list of 4 careers that intrigue you the most.
- B. Determine the best schools to attend for these careers and why.
- C. Based on preliminary research done in part A and B, pick one of the 4 careers to discover in detail.
Determine how physics plays a role in that career.



Part A Careers of Interest

To learn more and explore other options, use the web tools below to read feature profiles of physicists working in other areas, see job titles of other physics alumni from your school and review research conducted by the US Department of Labor on common job titles for physics bachelor's degree holders. Strongly consider exploring some job titles that you may never have heard of or considered. You might find a field that fits your interests

Profiles of people with physics degrees	<u>Careers Using Physics</u> <u>Careers in Physics</u> <u>Physicist Profile</u> <u>Physics Central, People</u>
Job Titles requiring physics knowledge per the Department of Labor	<u>Job Titles</u>
Companies and organizations hiring those with a physics degree	<u>Who's Hiring a Physics Major</u>

Select four job titles you are interested in. Spend some time exploring what someone with that title does through online searches and write down key words that describe that job below. the ideal school to attend for this career.

Job title:	Job title:	Job title:	Job title:
Key words:	Key words:	Key words:	Key words:
Universities that specialize	Universities that specialize	Universities that specialize	Universities that specialize
Organizations with this job title	Organizations with this job title	Organizations with this job title	Organizations with this job title

Part B: Universities

Determine the best 4 universities/colleges to attend for desired career.

	1st School	2nd School	3rd School	4th School
University :				
Location:				
Annual tuition				
Tuition Assistance				
Research/ Internship Opportunities				
Size of the Physics Department				
Notable Alumni				

Which university would you want to attend and WHY.

In a half page essay, justify which university you want to attend based on the information you have learned.

Part C: Career of Choice to Research

Job Title	
University	
Annual Salary	
Companies/Organizations that employ this job title	
Typical Tools or Instruments Used in the course of this career	

Part D: what role does physics play in your career choice.

Using at least three paragraphs, detail how physics is used in the day to day functions of your career.

Part E

Create a powerpoint presentation, video, interview, poster or website article detailing your choices to share with the class.

Be creative! You can present your information to the class in any format that you want.

You can do a video, a narrated Powerpoint Presentation, an interview with a professional in your career choice, you can create a poster to advertise for this career . . . any way to present is fine. Just check with me first.

Flirpgrid code: **physicscareer**

Guidelines:

- No longer than 5 minutes in length (if video or narrated powerpoint).
- It covers all the components of Parts A - C
- The slides include pictures of the job title, tools used, universities, etc.