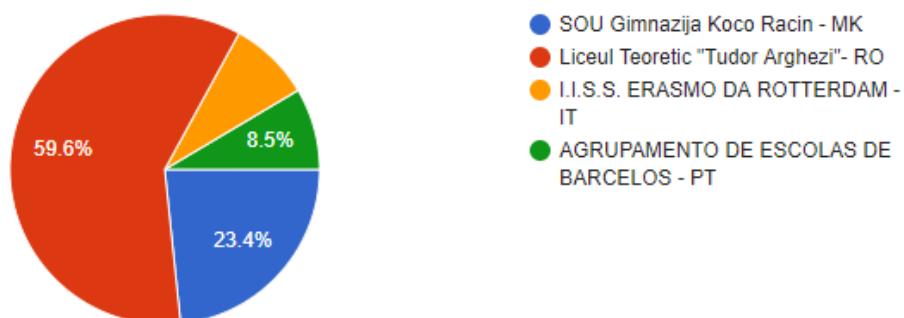


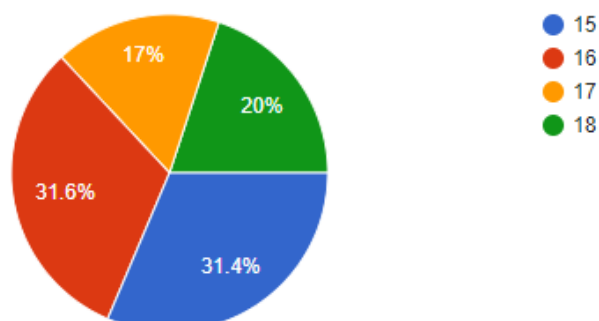
Science, Technology, Engineering and Mathematics (STEM) Education Student Survey

This survey will be Collection of information about the needs of students between 15 and 18 years in the area of Science, Technology, Engineering and Mathematics for the needs of the project newWERD.

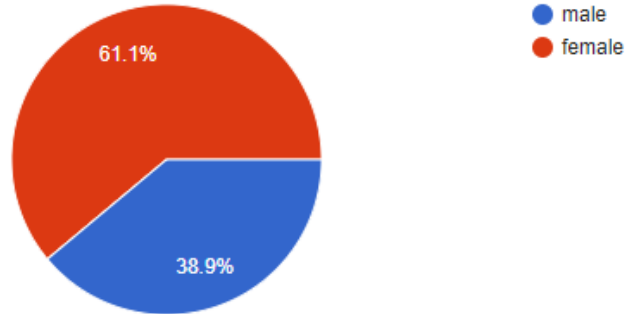
In what school do you attend classes?



What is your age?

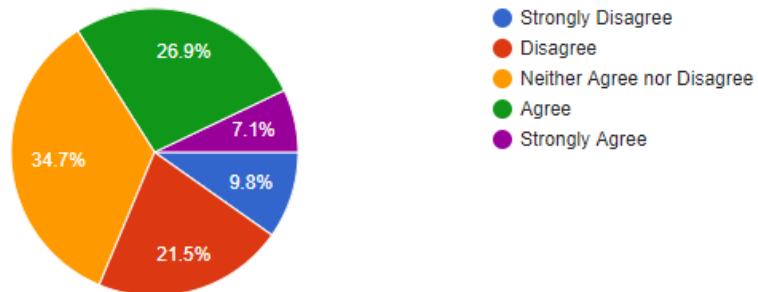


Gender:

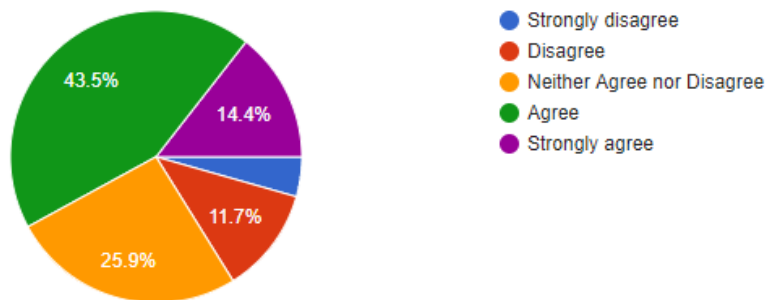


Mathematics

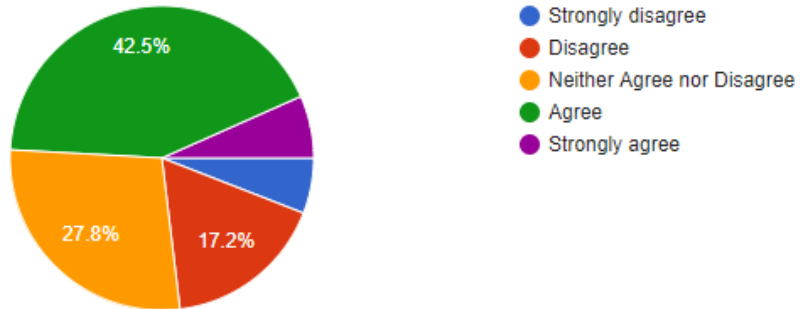
Math is hard for me.



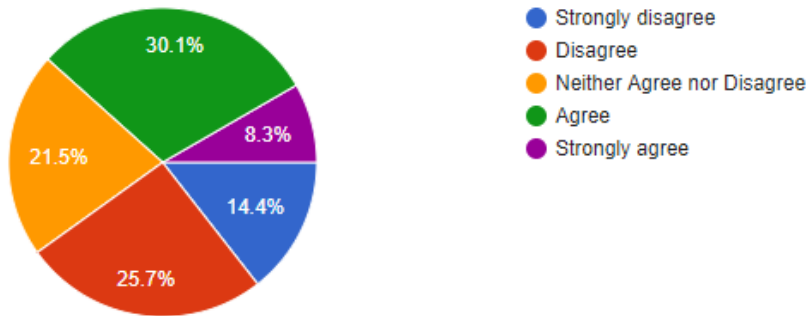
I can get good grades in math.



I am sure I could do advanced work in math

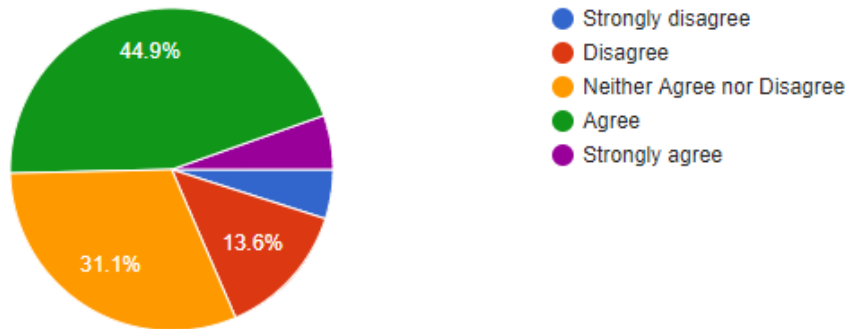


I would consider choosing a career that uses math.

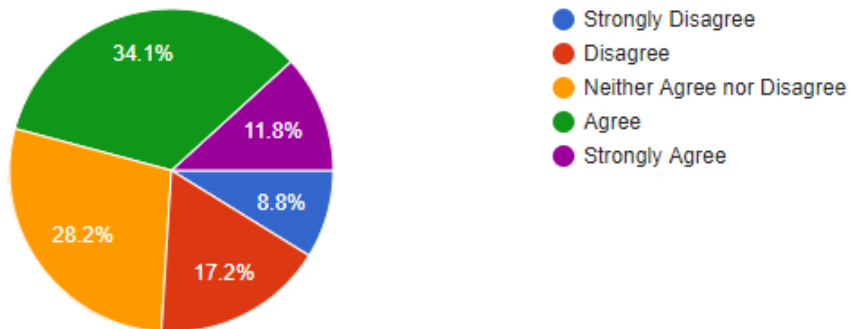


Science

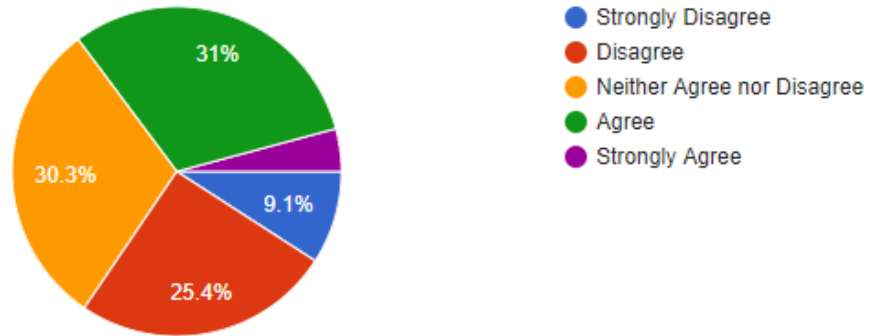
I am sure of myself when I do science



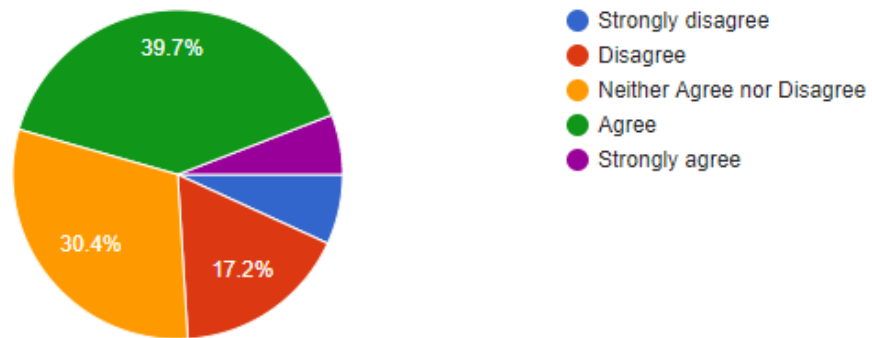
Science will be important to me in my life's work.



I can handle most subjects well, but I cannot do a good job with science

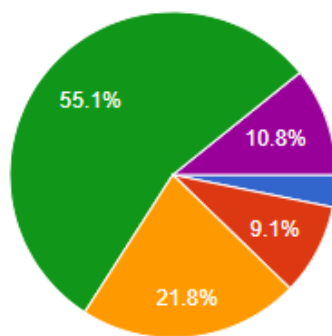


I am sure I could do advanced work in science.



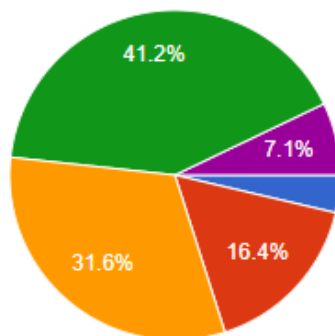
Engineering and Technology

If I learn engineering, then I can improve things that people use every day.



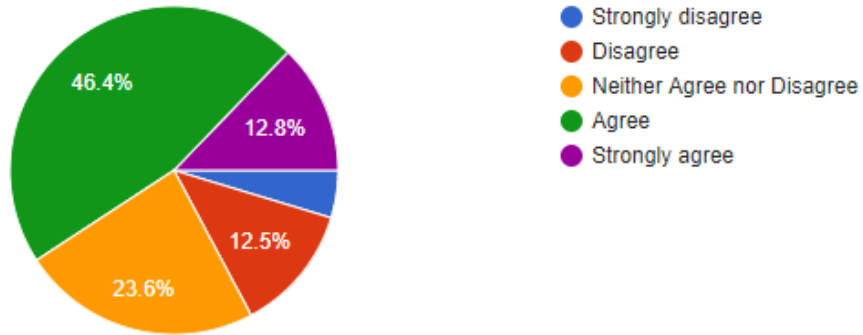
- Strongly Disagree
- Disagree
- Neither Agree nor Disagree
- Agree
- Strongly Agree

I am good at building and fixing things.

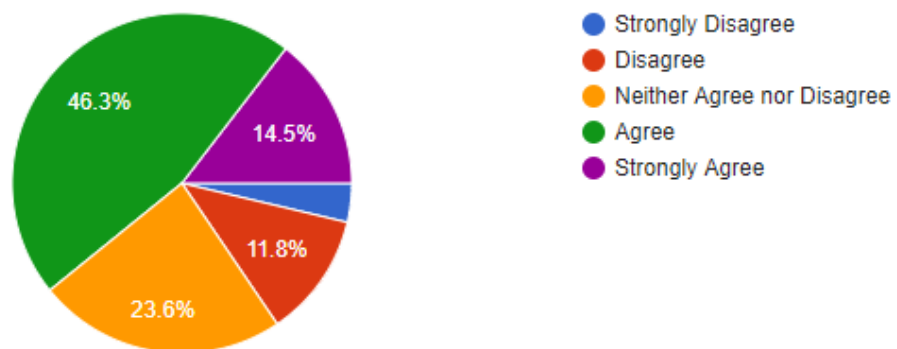


- Strongly Disagree
- Disagree
- Neither Agree nor Disagree
- Agree
- Strongly Agree

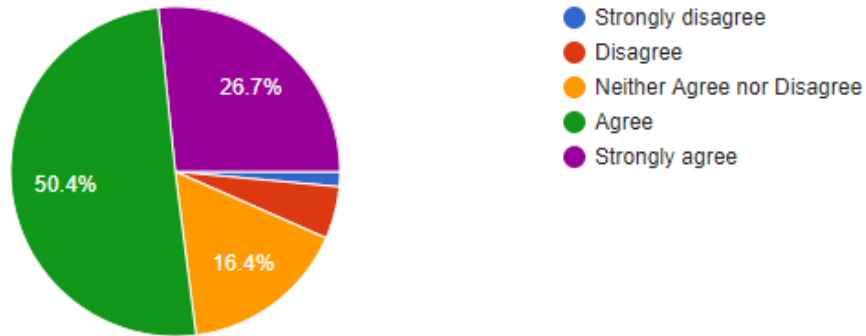
I am curious about how electronics work.



Knowing how to use math and science together will allow me to invent useful things.

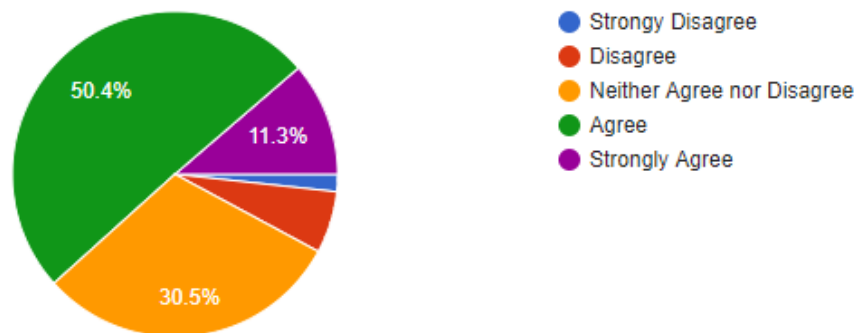


I would like to use creativity and innovation in my future work

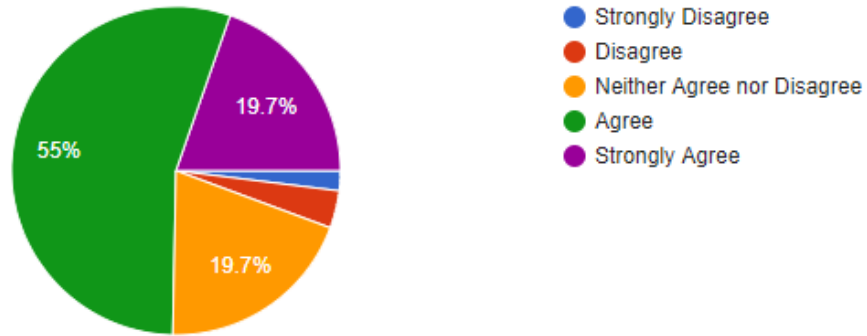


21st Century Learning

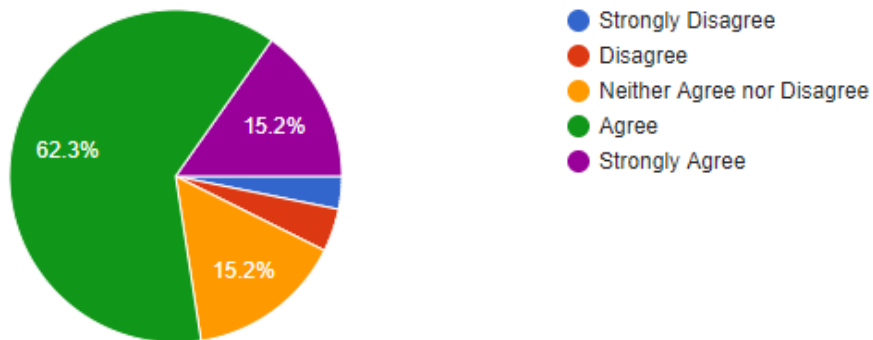
I am confident I can lead others to accomplish a goal.



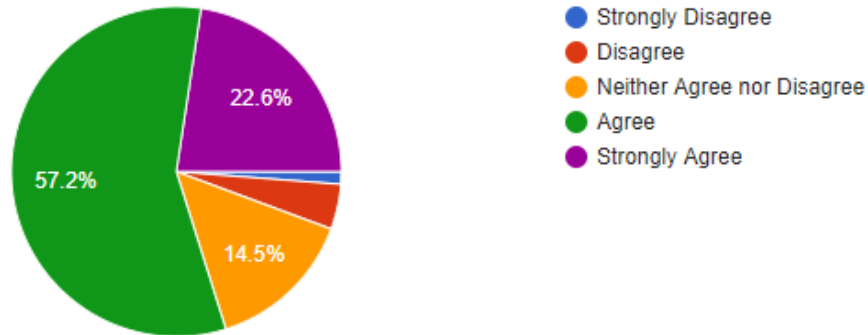
I am confident I can respect the differences of my peers.



I am confident I can make changes when things do not go as planned.

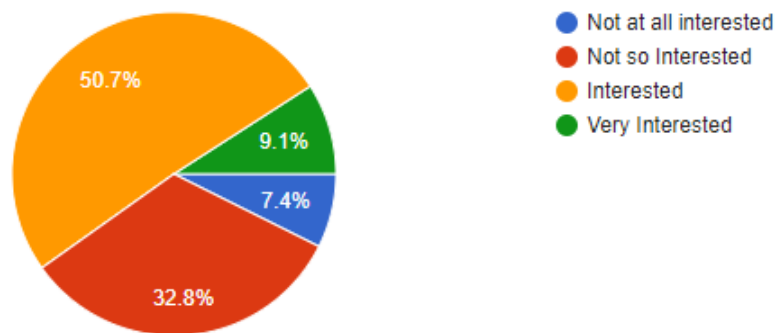


I am confident I can set my own learning goals.

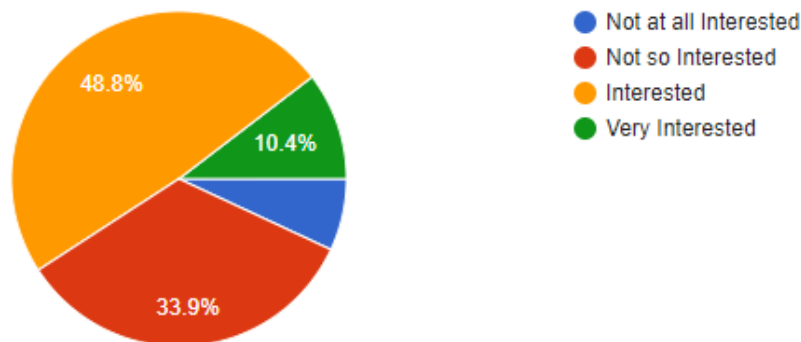


Your Future

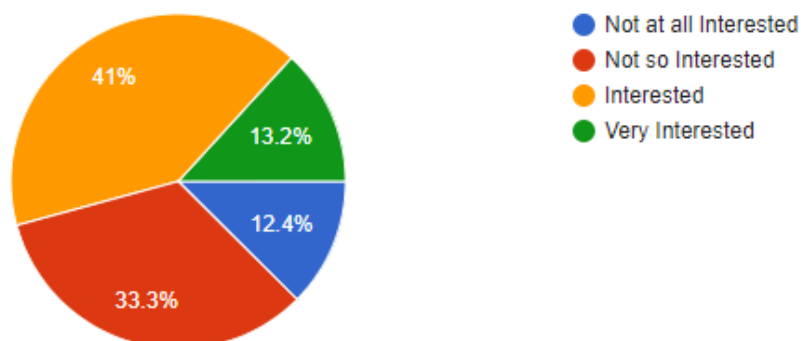
Physics: is the study of basic laws governing the motion, energy, structure, and interactions of matter. This can include studying the nature of the universe. (aviation engineer, alternative energy technician, lab technician, physicist, astronomer)



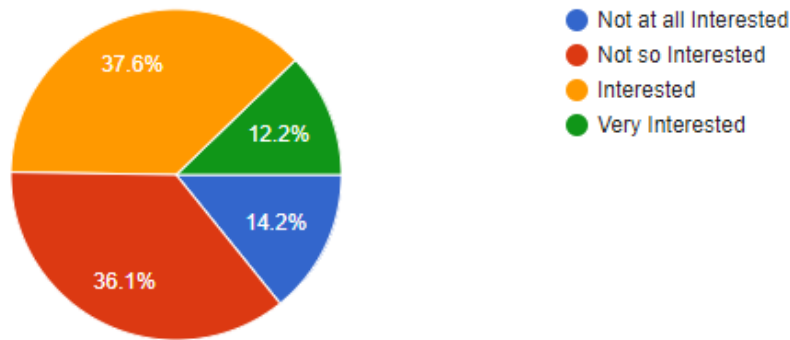
Environmental Work: involves learning about physical and biological processes that govern nature and working to improve the environment. This includes finding and designing solutions to problems like pollution, reusing waste and recycling. (pollution control analyst, environmental engineer or scientist, erosion control specialist, energy systems engineer and maintenance technician)



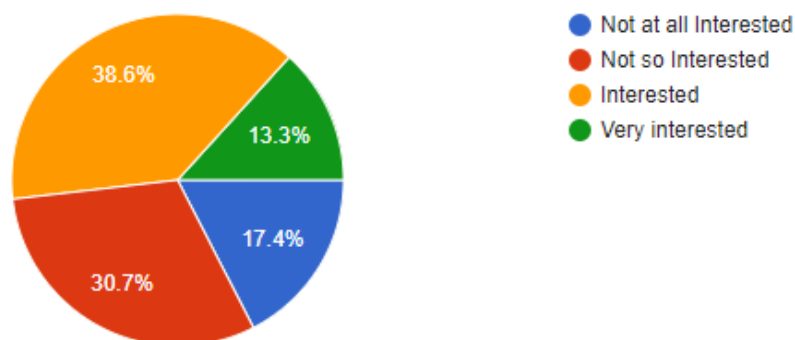
Biology and Zoology: involve the study of living organisms (such as plants and animals) and the processes of life. This includes working with farm animals and in areas like nutrition and breeding. (biological technician, biological scientist, plant breeder, crop lab technician, animal scientist, geneticist, zoologist)



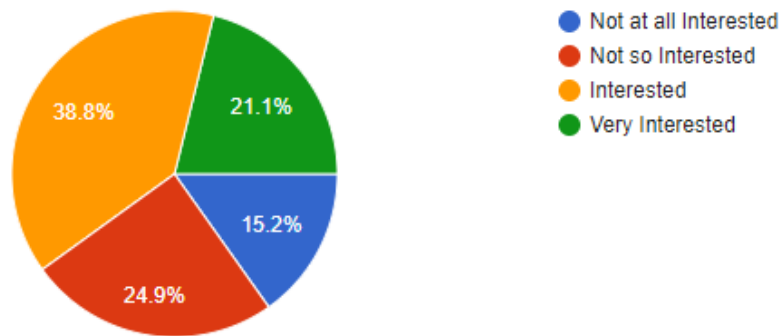
Veterinary Work: involves the science of preventing or treating disease in animals.(veterinary assistant, veterinarian, livestock producer, animal caretaker)



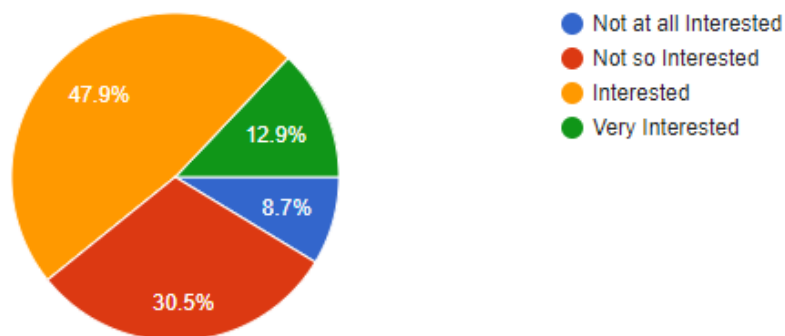
Mathematics: is the science of numbers and their operations. It involves computation,algorithms and theory used to solve problems and summarize data. (accountant, applied mathematician, economist, financial analyst,mathematician, statistician, market researcher,stock market analyst)



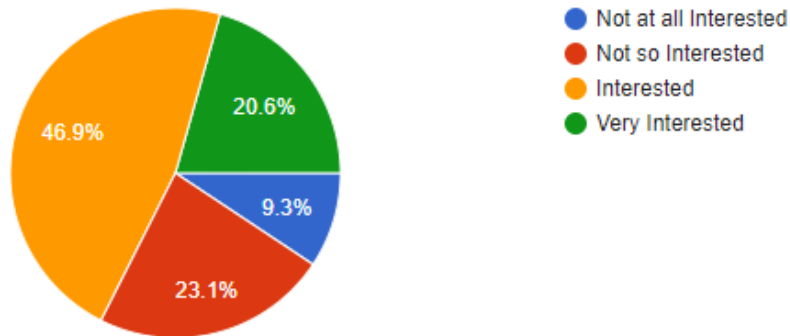
Medicine: involves maintaining health and preventing and treating disease. (physician's assistant, nurse, doctor, nutritionist, emergency medical technician, physical therapist, dentist)



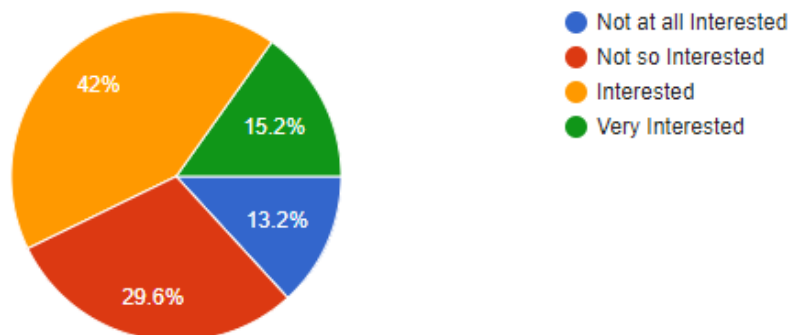
Earth Science: is the study of earth, including the air, land, and ocean. (geologist, weather forecaster, archaeologist, geoscientist)



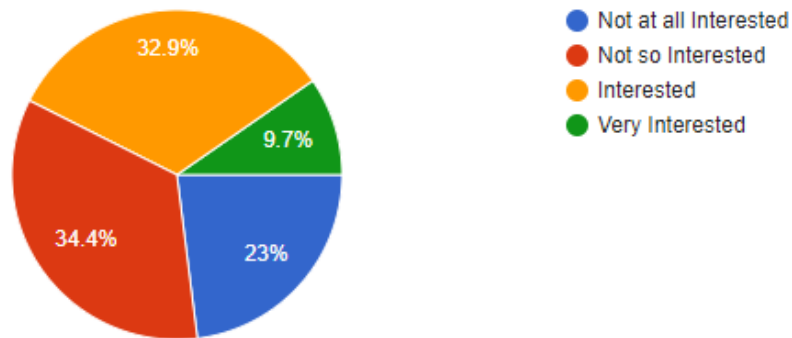
Computer Science: consists of the development and testing of computer systems, designing new programs and helping others to use computers.(computer support specialist, computer programmer, computer and network technician,gaming designer, computer software engineer,information technology specialist)



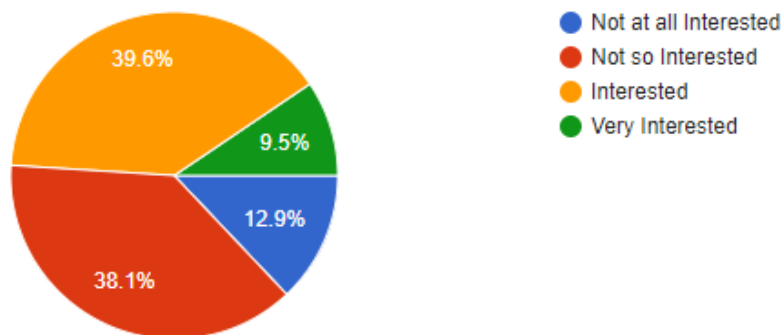
Medical Science: involves researching human disease and working to find new solutions to human health problems. (clinical laboratory technologist, medical scientist, biomedical engineer, epidemiologist, pharmacologist)



Chemistry: uses math and experiments to search for new chemicals, and to study the structure of matter and how it behaves. (chemical technician, chemist, chemical engineer)



Energy: involves the study and generation of power, such as heat or electricity. (electrician, electrical engineer, heating, ventilation, and air conditioning (HVAC) technician, nuclear engineer, systems engineer, alternative energy systems installer or technician)



Engineering: involves designing, testing, and manufacturing new products (like machines, bridges, buildings, and electronics) through the use of math, science, and computers. (civil, industrial, agricultural, or mechanical engineers, welder, auto-mechanic, engineering technician, construction manager)

