

Student interest survey

Please a **yes** beside any activity that you would enjoy doing and a **no** beside any activity that you would not enjoy doing.

Section 1: Mechanical Physics:	Yes/No
Take a course in car engine repair.	
Use weights and measures.	
Build models.	
Work in an orderly way and follow a set plan.	
Work with scientists to design a new jet engine.	
Construct wooden furniture.	
Work with tools, mechanical drawings, and machines.	
Work with numbers, records, or machines in a set, orderly way.	
Section 2: Health Sciences	Yes/No
Help people and solve social problems.	
Counsel other people your age.	
Work with children.	
Conduct research studies.	
Research your family history.	
Use a microscope.	
Work with disabled people.	
Participate in a Big Brother/Big Sister program.	
Section 3: Weather Science	Yes/No
Study and solve math problems.	
Watch storms.	
Fly a kite.	
Study geography.	
Measure things.	
Enter data into a computer.	
Look at clouds.	
Use a prism to study light.	

Count the number of **yes** responses and the number of **no** responses in each section and record the numbers below.

Section 1: yes _____ no _____

Section 2: yes _____ no _____

Section 3: yes _____ no _____

I had the most **yes** responses in Section _____.

Science Career Sort

Cut out the squares and sort the careers under the correct science topic. Note: They are not in order as they are right now!

Mechanical Physics	Health Sciences	Weather
Clinical laboratory technologist	Meteorologist	Cardiovascular technologist
Astronomer	Radiologist	Hydrologist
Counselor	CAD Operator	Geropsychologist
Mathematician	Avionics mechanic	Engineer
Climatologist	Geoscientist	Woodworker

Career Description Match

Cut out the following job descriptions and match them with the career they describe.

Some build by hand, but some use power tools where much of the work has been automated. Some build one-of-a-kind items. They perform a complete cycle of tasks – cutting, shaping, and preparing surfaces and assembling complex wood components into a finished wood product.
They study climactic variations spanning hundreds or even millions of years. Their studies are used to design buildings, plan heating and cooling systems, and aid in effective land use and agricultural production.
They study the quantity, distribution, circulation, and physical properties of bodies of water.
They apply the principles of science and mathematics to develop economical solutions to technical problems. They develop new products and they work in testing, production, or maintenance.
They produce x-ray films of parts of the human body for use in diagnosing medical problems. They place the x-ray film under the part of the patient’s body to be examined and make the exposure. They then remove the film and develop it.
They use the principles of physics and mathematics to learn about the fundamental nature of the universe, including the sun, moon, planets, stars, and galaxies.
They assist physicians in diagnosing and treating cardiac (heart) and peripheral vascular (blood vessel) ailments. They schedule appointments perform ultrasound or cardiovascular procedures, review doctors’ interpretations and patient files, and monitor patients’ heart rates.
They study the composition, structure, and other physical aspects of the Earth.
They study the atmosphere, including its physical characteristics, motions, and processes, and the way in which these factors affect the rest of our environment.
They prepare technical drawings and plans, which are used to build everything from manufactured products such as toys, toasters, industrial machinery, and spacecraft to structures such as houses, office buildings, and oil and gas pipelines. They use technical handbooks, tables, calculators, and computers to complete their work.
They deal with special problems faced by the elderly, including preventing and dealing with changing abilities and end-of-life issues.
They examine and analyze body fluids and cells. They look for bacteria, parasites, and other microorganisms; analyze the chemical content of fluids; match blood for transfusions; and test for drug levels in the blood that show how a patient is responding to treatment.
They repair and maintain the components used for aircraft navigation and radio communications, weather radar systems, and other instruments and computers that control flight, engine, and other primary functions.
They assist people with personal, family, educational, mental health, and career problems.
They use mathematical theory, computational techniques, algorithms, and the latest computer technology to solve economic, scientific, engineering, physics, and business problems.