AZSEF
ARIZONA SCIENCE & ENGINEERING FAIR

ELEMENTARY AND JUNIOR DIVISION CATEGORIES

GRADES 5–8

ANIMAL SCIENCES
CODE: AS

Study of animals and animal life, including their structure, function, life history, interactions, classification, and evolution.

BEHAVIORAL AND SOCIAL SCIENCES
CODE: BE

The science or study of the thought processes and behavior of humans and other animals in their interactions with the environment studied through observational and experimental methods.

CELLULAR AND MOLECULAR BIOLOGY
CODE: CB

The study of the structure and formation of cells.

CHEMISTRY
CODE: CH

The science of the composition, structure, properties, and reactions of matter.

COMPUTER SCIENCE
CODE: CS

The study of information processes, the structures and procedures that represent processes and their implementation in information processing systems. It includes systems analysis and design, application and system software design, programming, and datacenter operations.

EARTH AND PLANETARY SCIENCE
CODE: EA

The study of sciences related to the planet Earth (Geology, mineralogy, physiography, oceanography, meteorology, climatology, speleology, seismology, geography, atmospheric sciences, etc.).

ENGINEERING
CODE: EN

The application of scientific and mathematical principles to practical ends such as the design, manufacture, and operation of efficient and economical structures, processes, machines and systems.

ENVIRONMENTAL SCIENCES
CODE: EV

The analysis of existing conditions of the environment.

MATHEMATICAL SCIENCES
CODE: MA

The study of the measurement, properties, and relationships of quantities and sets, using numbers and symbols. The deductive study of numbers, geometry, and various abstract constructs, or structures.

MEDICINE & HEALTH SCIENCES
CODE: ME

The science of diagnosing, treating, or preventing disease and other damage to the body or mind.

PHYSICS AND ASTRONOMY
CODE: PH

Physics is the science of matter and energy and of interactions between the two. Astronomy is the study of anything in the universe beyond the Earth.

PLANT SCIENCES
CODE: PS

Study of plant life, including their structure and function, life history, growth, interactions with other plants and animals, classification, and evolution.