

DIOCESAN SCIENCE FAIR

CATEGORY DESCRIPTIONS

1. **Behavioral and Social Science** – Human behavior, social and community relationships.
2. **Biochemistry** – Chemistry of life processes- molecular biology, molecular genetics, photosynthesis, food chemistry, hormones, enzymes, etc.
3. **Botany** – Study of plant life-agriculture, horticulture, forestry, plant taxonomy, plant psychology, plant genetics, hydroponics, algae, etc. Please monitor projects to respect all life (plants and animals).
4. **Chemistry** – Study of nature and composition of matter and laws governing it.
5. **Computer Science** – Study and development of computer software and hardware and associated logical devices.
6. **Earth and Space Sciences** – Geology, mineralogy, psysiography, oceanography, meteorology, climatology, astronomy, speleology, seismology, geography, etc.
7. **Engineering** – Technology: projects that directly apply scientific principles to manufacturing and practical uses.
8. **Environmental Sciences** – Study of pollution (air, water, and land) sources and their control; ecology.
9. **Mathematics** – Development of formal logic systems or various numerical and algebraic computations, and the applications of these principles-calculus, geometry, abstract algebra, number theory, statistics, complex analysis, probability.
10. **Medicine and Health** – Study of diseases and health of humans.
11. **Microbiology** – Biology of microorganisms.
12. **Physics** – Theories, principles, and laws governing energy and the effect of energy on matter.
13. **Zoology** – Study of animals, including diseases, behavior, and health.

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