

LAKE CENTRAL SCHOOL CORPORATION SCIENCE FAIR – 2009-2010

STUDENT ENTRY FORM

(PLEASE PRINT OR TYPE)

STUDENT NAME: _____

SCHOOL: _____

TEACHER: _____ GRADE _____

PROJECT TITLE: _____
(CATCHY PHRASE, 1-4 WORDS)

BRIEF DESCRIPTION OF THE PROJECT: _____

WILL THERE BE A NEED FOR AN ELECTRICAL OUTLET? _____ YES _____ NO

PROJECT CLASSIFICATION: <Circle Only One> (See reverse for descriptions)

- | | | |
|--------------------------------|---|--|
| 1 Animal Sciences | 7 Earth Sciences | 13 Mathematical Sciences |
| 2 Behavioral & Social Sciences | 8 Engineering: Electrical & Mechanical | 14 Medicine & Health Sciences |
| 3 Biochemistry | 9 Engineering: Materials & Bioengineering | 15 Microbiology |
| 4 Cellular & Molecular Biology | 10 Energy & Transportation | 16 Physics and Astronomy |
| 5 Chemistry | 11 Environmental Sciences | 17 Plant Sciences |
| 6 Computer Science | 12 Environmental Management | 18 Team Projects (teacher approval required – 6 th gr. or higher) |

RETURN BY 1/20/10 TO BUILDING SCIENCE FAIR COORDINATOR _____

ROOM _____ EMAIL _____

I have read and agree to my child's entry information in the Lake Central Science Fair. My child will participate on Saturday, February 6th. In the event my child is unable to participate, I will contact the above building coordinator by Monday, January 25th.

Date: _____

Phone: _____

Parent's Signature

Participant's Signature

Use the following list of descriptions to select the most appropriate classification for your project. Circle that classification on the entry form.

Project Categories

(1) ANIMAL SCIENCES (AS)	Animal genetics, development, paleontology, histology, animal ecology, animal physiology, animal husbandry, pathology, invertebrate biology, systematics, etc.
(2) BEHAVIORAL & SOCIAL SCIENCES (BE)	Clinical & developmental psychology, cognitive psychology, physiological psychology, sociology, ethnology, archaeology, linguistics, learning, perception, urban problems, surveys, public opinion, etc.
(3) BIOCHEMISTRY (BC)	Genetics; enzymes, blood, protein or food chemistry, metabolism, structural biochemistry, general biochemistry, hormones, etc.
(4) CELLULAR & MOLECULAR BIOLOGY (CB)	Cellular biology, molecular biology, protozoology, yeast, fungal and bacterial genetics, cellular & molecular genetics, immunology, etc.
(5) CHEMISTRY (CH)	Materials, plastics; fuels; pesticides; metallurgy; analytical, organic, inorganic, physical, or soil chemistry, general chemistry, etc.
(6) COMPUTER SCIENCE (CS)	Computer software & hardware, algorithms, artificial intelligence, information & operating systems, computer methodologies, systems organization, data bases, encryption, coding, information theory, internet networking and communications, graphics, computational science, etc.
(7) EARTH SCIENCES (EA)	Geology, geophysics, seismology, oceanography, topography, mineralogy, petroleum, geography, atmospheric physics, climatology, weather, tectonics, geochemistry, paleontology, planetary science, geochemistry, etc.
(8) ENGINEERING: ELECTRICAL and MECHANICAL	Mechanical, electrical, computer, acoustical, photographic, heating and refrigeration (including solar), electronics, power transmission and generation, thermodynamics, communications, etc.
(9) ENGINEERING: MATERIALS and BIOENGINEERING (EN)	Bioengineering, civil engineering, construction engineering, chemical engineering, industrial engineering, processing, material science, architecture, etc.
(10) ENERGY and TRANSPORTATION (ET)	Aerospace and aeronautical engineering, aerodynamics, alternative fuels, fossil fuel energy, vehicle development, renewable energies, etc.
(11) ENVIRONMENTAL SCIENCES (EV)	Pollution (air, water, soil), Quality (air, water, soil), pollution sources and control of them, environmental alteration (heat, light, irrigation, erosion), etc.).
(12) ENVIRONMENTAL MANAGEMENT (EM)	Bioremediation, ecosystems management, environmental engineering, land resource management forestry, recycling, waste management, impact studies, etc.
(13) MATHEMATICAL SCIENCES (MA)	Calculus, geometry, algebra, logic, number theory, statistics, probability, analysis, operations research, pure and applied mathematics.
(14) MEDICINE & HEALTH SCIENCES (ME)	Medicine, disease diagnosis and treatment, epidemiology, physiology, genetics, dentistry, pharmacology, pathology, allergies, dermatology, ophthalmology, pediatrics, nutrition, speech and hearing, etc.
(15) MICROBIOLOGY (MI)	Antibiotics, antimicrobials, bacteriology, microbial genetics, virology, etc.
(16) PHYSICS and ASTRONOMY	Astronomy, atoms, molecules, solids, optics, lasers, masers, instrumentation and electronics, particle, nuclear, atomic or plasma physics, fluid and gas dynamics, , magnetics and electromagnetics, quantum mechanics, optical astronomy, astrophysics, biological physics, theoretical physics, etc.
(17) PLANT SCIENCES (PS)	Agriculture, agronomy, ecology; horticulture, forestry, photosynthesis, mycology, plant development; hydroponics, plant physiology, pathology, or genetics, taxonomy, or biorhythms; plant systematics, evolution, etc.
(18) TEAM PROJECTS	Study conducted by two or three students in any discipline