SCIENCE CAREER POSTER PROJECT

Now is your opportunity to choose the science career that interests you!

The word SCIENCE goes above and beyond what it was once thought of as simply the mixing of chemicals in the laboratory and looking at outdoor nature! Over the years, we have seen the field of science expand to all aspects of life. You and a partner of your choice have the opportunity to choose the science career that interests you. Let’s pretend that all of your classmates were going to the “Haddad School of Science” and could only choose one class to take amongst the many interesting fields in science. You and your partner have the job of persuading others to choose your science career. So what does this mean? Your poster will hang along the “walls of fame” in Mr. Haddad’s classroom along with over 50 other “recruiting” posters. This means that you should do a good job!

NOTE: My advice to all is to get started early and get the phone number of your partner so you can both communicate and work together on this project. The majority of this assignment will be done outside of the classroom. I may give you 1 or 2 class periods in the library to research and put together information for your project. Poster size should be around 2 feet x 3 feet. You may also use a tri-board.

*** This assignment is worth a special project grade (15% quarter avg.).

*** We will be peer voting for the best posters! If your poster is one of the top 3 to be selected on the blue team, you will receive an additional 10 point bonus on your project!

DUE DATES:
GUIDELINES FOR POSTER PRESENTATION

CONTENT OF THE POSTER:

10 pts  Career must be correctly stated
10 pts  Explanation of how to achieve the career
15 pts  Explanation of what this career is about

PERSUASIVENESS OF THE POSTER:

10 pts  Persuade by illustration to choose this career
10 pts  Persuade by written words to choose this career

POSTER SETUP:

5 pts  Written words must be printed (by hand or by computer)
5 pts  Title to the poster
5 pts  Poster must contain color
5 pts  Use of different media (ex. Internet clips, articles, drawings, etc)

MECHANICS OF THE POSTER:

5 PTS  Proper heading on the BACK of poster (you and your partner)
10 PTS  Correct spelling and grammar throughout the poster

RESOURCES CITED

10 PTS  Provide 3 different sources cited correctly

NOTE: If your poster is brought in AFTER the due date, both group members will receive a 10 point late deduction each day after the due date. For your own good, be responsible and turn in your poster ON TIME!

- Turn in this sheet to me separate from your poster the day that you turn in your poster with you and your partner’s name on it and the science career that you have chosen (only one scoring sheet per group). I will use this sheet to grade your project and write comments. Losing this sheet equals an automatic 5 point deduction to your project so DO NOT LOSE THIS!!
Acarology, the study of ticks and mites
- Actinobiology, the study of the effects of radiation upon living organisms
- Actinology, the study of the effect of light on chemicals
- Aerology, the study of the free atmosphere
- Aeropalynology, the study of pollen grains and spores (palynomorphs) in the atmosphere
- Aetiology, the medical study of the causation of disease
- Agnoiology, the study of things of which we are by nature ignorant, or of things which cannot be known
- Agrobiology, the study of plant nutrition and growth in relation to soil conditions
- Algology, the study of algae
- Allergology, the study of the causes and treatment of allergies; a branch of medicine
- Astrology, the study of male health and disease
- Anesthesiology, the study of anesthesia and anesthetics; a branch of medicine
- Angelology, the study of angels
- Angiology, the study of the anatomy of blood and lymph vascular systems
- Anthropology, the study of humans
- Arachnology, the study of spiders and their kin
- Archaeology, the study of ancient history
- Archaeozoology, the study of relationships between humans and animals over time through examination of animal remains at archaeological sites (also see Zooarchaeology)
- Areology, the study of Mars
- Assyriology, the study of the Assyrians
- Astrology, the study of purported influences of stars on human affairs
- Audiology, the study of hearing; a branch of medicine
- Autecology, the study of the ecology of any individual species
- Axiology, the study of the nature of values and value judgements

B
- Bacteriology, the study of bacteria
- Balneology, the scientific study of baths, bathing and of their application to disease
- Bioclimatology, the study of the effects of climate on living organisms
- Biocology, the study of the relationship of organisms to each other and to their environment
- Biology, the study of life
- Biomeeteorology, the study of the effects of atmospheric conditions on living organisms
- Bryology, the study of bryophytes
- Byzantology, the study of Byzantium

C
- Campanology, the study and the art of bell ringing
- Cardiology, the study of the heart
- Carpology, the study of the structure of seeds and fruit
- Cerealology, the study of crop circles
- Cetology, the study of marine mammals
- Chorology, the study of the relationship of biological or other phenomena to their locations
- Chronology, the study of things in order of time or the study of time
- Climatology, the study of the climate
- Conchology, the study of shells and of molluscs
- Cosmology, the study of the cosmos or our place in it.
- Craniology, the study of the characteristics of the skull
- Criminology, the scientific study of crime.
- Cryology, the study of very low temperatures and related phenomena.
- Cryptology, the study of how to encrypt and decrypt secret messages
- Cryptozoology, the study of animals that may or may not be mythical
- Cynology, the study of dogs
- Cytology, the study of cells

D
- Deltiology, the study of, but more often the collecting of picture postcards
- Demonology, the study of demons
- Dendrochronology, the study of the age of trees and the records in their rings
• **Dendrology**, the study of trees  
• **Dermatology**, the field of medicine that deals with the skin  
• **Dialectology**, the study of dialects

**E**

• **Ecclesiology**, the study of Church architecture and decoration, or separately the study of the [Christian Church](#)  
• **Ecology**, the study of the interrelationships between living organisms and their environment  
• **Ecophysiology**, the study of the interrelationship between an organism's physical functioning and its environment  
• **Embryology**, the study of embryos  
• **Emetology**, the study or knowledge of emetics  
• **Endocrinology**, the study of internal secretory glands  
• **Enigmatology**, the study of puzzles  
• **Entomology**, the study of insects  
• **Enzymology**, the study of enzymes  
• **Epidemiology**, the study of epidemics  
• **Epistemology**, the study of the nature and origins of knowledge  
• **Eschatology**, a branch of theology concerned with the final events in the history of the world or of mankind  
• **Ethnology**, the study of race  
• **Ethnomusicology**, the study of music in society, usually non-western music  
• **Ethology**, the study of animal behaviour  
• **Etiology**, same as [Aetiology](#)  
• **Ethymology**, the study of word origins  
• **Evolutionary biology**, the study of the process of biological evolution  
• **Exobiology**, the study of life in outer space

**G**

• **Gastrology** or **Gastroenterology** - diseases of stomach and intestines  
• **Gemology** or **Gemology**, the study of gemstones and ornamental materials  
• **Genealogy** (commonly misspelt as "genealogy"), the study of relationships within families particularly with a view to constructing family trees  
• **Genealogy**, the study of genetic differences in relation to the environment  
• **Geochronology**, the study of the age of the Earth  
• **Geology**, the study of the [Earth](#)  
• **Geomorphology**, the study of present-day landforms, traditionally on Earth but with increasing frequency on nearby planetary objects  
• **Gerontology**, the study of old age  
• **Glaciology**, the study of glaciers  
• **Grammatology**, the study of writing systems. Also the study of deconstructive literary criticism, popularized in the 1960's by Jacques Derrida.  
• **Graphology**, the study of handwriting for the purpose of analysing the character of the writer  
• **Gynaecology** or **Gynecology**, the study of medicine relating to women, or of women in general

**H**

• **Hematology/Haematology**, the study of blood  
• **Heliology**, the study of the Sun  
• **Helioseismology**, the study of vibrations and oscillations in the Sun  
• **Helminthology**, the study of parasitic worms  
• **Hepatology**, the study of the liver; a branch of medicine  
• **Herbology**, the study of the therapeutic use of plants  
• **Herpetology**, the study of reptiles and amphibians  
• **Histology**, the study of living tissues  
• **Histopathology**, the study of the (microscopic) structure of diseased tissues  
• **Historiography**, the study of the writings and practices of historians  
• **Horology**, the study of making timepieces, measuring time and timekeeping  
• **Hydrogeology**, the study of underground water  
• **Hydrology**, the study of water

**I**

• **Ichthyology**, the study of fish  
• **Ichnology**, the study of fossil footprints, tracks and burrows  
• **Immunology**, the study of the immune system
J
- **Japanology**, the study of Japanese culture

K
- **Killology**, the study of human beings killing other human beings (Grossman's Theory)
- **Kinesiology**, the study of movement in relation to human anatomy; a branch of medicine
- **Koreanology**, the study of Korea
- **Kremlinology**, the study of communist Soviet Union
- **Kymatology**, the study of waves or wave motions

L
- Laryngology, the study of the larynx, or voice box; a branch of medicine
- **Limnology**, the study of fresh water environments, particularly lakes
- **Lithology**, the study of rocks
- **Lymphology**, the study of the lymph system and glands

M
- **Malacology**, the study of mollusks
- Mammology, the study of mammals
- **Meteorology**, the study of weather
- **Methodology**, (properly) the study of methods
- **Metrology**, the study of measurement
- **Microbiology**, the study of microorganisms and their effects on humans
- **Mineralogy**, the study of minerals
- **Morphology**, the study of forms; more precisely the study of the grammatical structure of words, a branch of linguistics
- **Musicology**, the study of music
- **Mycology**, the study of fungi
- Myology, the scientific study of muscles
- **Myrmecology**, the study of ants
- **Mythology**, the study of myths

N
- **Nanotechnology**, the study and design of machines at the molecular level
- Neonatology, the study of diseases and the care of newborn infants; a branch of pediatrics/paediatrics
- **Nephology**, the study of clouds
- **Nephrology**, the study of the kidneys and their diseases, a branch of medicine
- **Neurology**, the study of nerves
- Neuropathology, the study of neural diseases
- **Neurophysiology**, the study of the functions of the nervous system
- **Nosology**, the study of diseases
- Nostology, the study of ageing and senility, in relation to a return to childish characteristics in old age
- **Numerology**, the study of numbers (often in a non-mathematical sense)
- **Numismatology**, an old word for numismatics

O
- **Oceanology**, the study of oceans
- Odontology, the study of the structure, development, and abnormalities of the teeth
- **Ornithology**, facetious name for the non-existent medical specialty that treats of navels, which has been used in a manner similar to the way the word widget is used in economics textbooks
- **Oncology**, the study of cancer
- **Ontology**, the study of existence
- **Oology**, the study of eggs
- **Ophthalmology**, the study of the eyes
- **Organology**, the study of musical instruments (not just organs); alternatively, the study of anatomical organs
- **Ornithology**, the study of birds
- **Orology**, the study of mountains and their mapping
- **Osteology**, the study of bones
- **Otolaryngology**, the study of the ear and throat; a branch of medicine
- **Otolaryngology**, the study of the structure, function, and pathology of the ear
- **Otorhinolaryngology**, the study of the ear, nose, and throat; a branch of medicine
- Palaeontology, the study of ancient creatures
- Paleoanthropology, the study of ancient humans and human origin
- Palaeoclimatology, the study of climate prior to the widespread availability of records of temperature, precipitation, and other instrumental data
- Palynology, the study of pollen
- Parapsychology, the study of paranormal or psychic phenomenon that defy conventional scientific explanations
- Parasitology, the study of parasites
- Pathology, the study of illness
- Pedology, the study of soil
- Pekingology, the study of communist People's Republic of China
- Penology, the study of prison management and criminal rehabilitation.
- Petrology, the study of sedimentary organic matter in rocks
- Pharmacology, the study of drugs
- Phenomenology, the study and science of phenomena as distinct from the science of actual existence or being; also a movement founded by Husserl which studies conscious experience without its metaphysical concerns
- Phonology, the study of vocal sounds
- Phrenology, the derivation of a person's character traits, by studying the shape of their skull
- Physiology, the study of bodies, usually of animals
- Phylogeny, the study of plants; botany
- Planktonology, the study of plankton
- Pneumology, the study of the lungs and related organs; a branch of medicine
- Primatology, the study of primates
- Psychobiology, the study and psychology of organisms with regard to their functions and structures
- Psychology, the study of mental processes in humans
- Psychophysics, the study of the physiological bases of psychological processes
- Pyrology, the study of fire

- Radiology, the study of rays, usually ionising radiation
- Reflexology, originally the study of reflexes or of reflex responses; but see also non-study list
- Rheology, the study of flow
- Rheumatology, the study of rheumatic diseases, a branch of medicine
- Rhinology, the study of the nose and its diseases

- Scatology, the study of swear words. Related to "scat singing" in Jazz music.
- Seismology, the study of earthquakes
- Selenology, the study of the moon
- Semiology, the study of signs
- Serology, the study of blood serum
- Sexology, the study of sex
- Sinology, the study of China
- Sociology, the study of society
- Sociobiology, the study of the effect of evolution on ethology
- Soteriology is the study of the doctrine of salvation, especially as related to Christianity
- Sovietology, the study of communist Soviet Union
- Speleology, the study or exploration of caves
- Stomatology, the study of the mouth and its diseases
- Symboleology, the study and interpretation of symbols
- Symptomatology, the study of symptoms
- Synecology, the study of the ecological interrelationships among communities of organisms

- Technology, the study of the practical arts (but see above)
- Teleology, the study of ends or final causes
- Teratology, the study of wonders, or monsters
- Thanatology, the study of physical, psychological and social problems associated with dying.
- Theriology, the study of mammals
- Theology, the study of God
- Thrombology, the study of breeding domestic plants and animals
- Tocology, the study of childbirth
- Topology, the mathematical study of closeness and connectedness
• Toxicology, the study of poisons
• Traumatology, the study of wounds and injuries caused by accidents or assaults and their surgical treatment and repair; a branch of medicine
• Tribology, the study of friction and lubrication
• Typology, the study of classification

U
• Urology, the study and treatment of diseases of the urogenital tract, a branch of medicine

V
• Venereology, the study of venereal diseases
• Vexillology, the study of flags
• Victimology, the study of victims of crime, often applied to characterizing the criminal
• Virology, the study of viruses
• Volcanology (also spelled vulcanology), the study of volcanoes and related phenomena (traps)

X
• Xenobiology, the study of non-terrestrial life
• Xylology, the study of wood

Z
• Zooarchaeology, the study and analysis of animal remains at archaeological sites to reconstruct relationships between people, animals, and their environment (also see Archaeozoology)
• Zoology, the study of animals
• Zymology, the study of fermentation
Your Name:_____________________

Your Partner’s Name: _______________

SCIENCE CAREER PROJECT EVALUATION

Please answer the questions below honestly. Your responses are CONFIDENTIAL between you and the teacher.

Circle who contributed what to the following below.

1) Provided poster board. YOU  PARTNER  BOTH
2) Provided pictures for poster. YOU  PARTNER  BOTH
3) Found info on actual career YOU  PARTNER  BOTH
4) Found info on how to achieve the career YOU  PARTNER  BOTH
5) Wrote out templates for references YOU  PARTNER  BOTH
6) Created title to poster YOU  PARTNER  BOTH
7) Put together info, pics and media on the poster YOU  PARTNER  BOTH
8) Added additional media/visuals to the poster YOU  PARTNER  BOTH

You worked hard on the project.

0  1  2  3  4  5
(least) (most)

Your partner worked hard on the project.

0  1  2  3  4  5
(least) (most)

Percent (out of 100%) that you worked on this project: ________%

Percent (out of 100%) that your partner worked on this project: ________%

ADDITIONAL COMMENTS: