

7th Grade Science / Mrs. Becker



First Semester

Introduction to Science

Safety, Graphing, Tables, Charts,
Conversion in Metric

Ecosystems

Texas Biomes, Succession,
Equilibrium, Biotic & Abiotic
Factors

Weathering & Erosion

Deposition, Chemical, Physical,
Renewable, Nonrenewable, Human
Impact

Force and Motion

Newton's 1st & 2nd Laws, Friction,
Gravity, Air Resistance, Balanced,
Unbalanced Forces

Energy

Kinetic, Potential, geological faults
and falling water

Earth and Moon

Seasons, Phases, Eclipses, Tides,
Relationships

Second Semester

Chemistry

Chemical, Physical Changes, Physical
Properties of Elements, Periodic Table,
Compounds, Formulas, Structure of
Atoms

Human Body Systems

Structure and Function Circulatory,
Skeletal, Muscular, Nervous, Immune,
Endocrine, Homeostasis, Chicken Wing &
Frog Dissection, Feedback Mechanism

TAKS Test

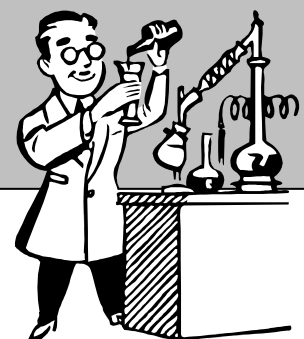
Genetics / Heredity

Mendel, Predictions based on Punnet
Squares, Asexual & Sexual
Reproduction, Genotypes & Phenotypes,
Traits - survival, Dominant & Recessive,
Inherited Material, Egg & Sperm join
and split

Go to: http://tweb.lisd.net/sandra_becker/index.htm for six weeks calendar, weekly agenda, copies of assignments and links to web activities.

Class Rules

1. Come to class on time and prepared with pen, pencil, paper and science binder.
2. Be respectful to all students and adults.
3. Cooperate with each other
4. Follow directions the first time they are given.



I am looking forward to getting to know each of you as we uncover the many concepts of the 7th grade science curriculum. There will be many labs and activities to enrich and facilitate learning.

I have several expectations in my classroom. I believe that every student has the right to learn. This means that if you are disrupting to the point of preventing another student from learning, *you* will be the one in trouble. Those who choose not to follow the rules and procedures will not be allowed to participate in lab activities.

The Pre AP student will analyze, synthesize, and manipulate knowledge and skills with enrichment activities at a pace appropriate to the grade level. Pre-AP students are expected to demonstrate self-discipline and organizational skills in order to succeed and to meet assignment deadlines. All students will be expected to do their own work. Students will be given projects that must be completed outside of class. This year's Science Olympiad will be held in February with the district competition on Feb. 16th.

Success in school requires commitment from students, parents, and teachers.

I can be reached by email at beckers@lisd.net or 469-713-5984 (Shadow Ridge) with any questions, comments or concerns.

ARCHIMEDES: Give me a lever long enough and a fulcrum on which to place it, and I shall move the world.

ALBERT EINSTEIN: The most beautiful thing we can experience is the mysterious. It is the source of all true art and all science. He to whom this emotion is a stranger, who can no longer pause to wonder and stand rapt in awe, is as good as dead: his eyes are closed.

CARL JUNG: Science is the tool of the Western mind and with it more doors can be opened than with bare hands. It is part and parcel of our knowledge and obscures our insight only when it holds that the understanding given by it is the only kind there is.