Welcome!!!!

Expectations:
Science understanding is developed through the use of science process skills, scientific knowledge, scientific investigation, reasoning, and critical thinking. All students can expect to keep a science notebook, take notes during class, complete labs, write lab reports, create and make presentations to the class, and complete projects for class demonstrations.

Absences and Make-up Work
Completing make-up work is essential when students are absent. Students will have the number of days absent to turn in missing work. It is the student’s responsibility to make up missing work and turn it in on time. If you were present at school when work was assigned, and absent the day it is due, I will expect it to be turned in when you return to school. If you are absent—there are 3 ways to get caught up: 1. Check with table partners, especially to get caught up on notes. 2. Check the daily handout crate for handouts & assignments. 3. Stay afterschool to get caught up on instruction.

All students are expected to arrange a time to make up class and/or missed work whenever they are not in class or miss class work or lessons for whatever reason, absence, behavior, or out of class!

All students are expected to follow all School and Class rules.

All students are expected to bring all posted materials to class everyday.
All students are expected to Try!

Materials:
Pencil (Wood Pencil Preferred and No Pens allowed in class, unless given by teacher)
1- 1.5 3 ring binder with dividers and loose leaf paper (For Notes and Lab Write Ups)
2-Spiral or Composition Notebooks (For Daily Warm Ups and Science Journal)
1 Pocket Folder (For Handouts, may be kept in Science Binder)
2-3 glue sticks (Only when needed)
5 X 8 inch Colored Note/Vocabulary Cards (Teacher Provided, students use for Vocabulary)
Lange Agenda Planner (Needs to be with student at all times)

What we will learn:
1st Semester
Unit: Lab Safety and Measurement
We will be learning how to work and do experiments safely in a Science classroom. Also learning basic Metric Measurement. End of Unit Project: Metric Monster

Unit: Cells
Students will learn that all living things are made up of cells, that within cells, special structures are responsible for particular functions, and the cell membrane forms the boundary that controls what enters and leaves the cell. In multicellular organisms, the body is a system of multiple interacting subsystems, that work together to form tissues and organs that are specialized for particular body functions (Body Systems-circulatory, excretory, digestive, respiratory, muscular and nervous) Proposed End of Unit Project: Cell Model Project

Unit: Force and Motion
Students will learn that for any pair of interacting objects, the force exerted by the first object on the second object is equal in strength to the force that the second object exerts on the first, but in the opposite direction (Newton’s third law). Students will plan an investigation to provide evidence that the change in an object’s motion depends on the sum of the forces on the object and the mass of the object and evaluate the experimental design to provide evidence that fields exist between objects exerting forces on each other even though the objects are not in contact.
Proposed End of Unit Project: Egg Head Helmet

2nd Semester
Unit: Energy
Students will construct and interpret graphical displays of data to describe the relationships of kinetic energy to the mass of an object and to the speed of an object. Develop a model to describe that when the arrangement of objects interacting at a distance changes, different amounts of potential energy are stored in the system and apply scientific principles to design, construct, and test a device that either minimizes or maximizes thermal energy transfer. Plan an investigation to determine the relationships among the energy transferred, the type of matter, the mass, and the change in the average kinetic energy of the particles as measured by the temperature of the sample.
Proposed End of Unit Project: Roller Coaster Poster or Model.
Unit: Ecosystems

Students will construct a scientific explanation based on evidence for the role of photosynthesis in the cycling of matter and flow of energy into and out of organisms. Students will also develop a model to describe how food is rearranged through chemical reactions forming new molecules that support growth and/or release energy as this matter moves through an organism. Also develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem.

Proposed End of Unit Project: Food Chain Model or Terrarium

Unit: Experimental Design (Scientific Method or Inquiry) (integrated into all units in 6th grade)

Activities will be completed using inquiry methods to develop investigative procedures and skills.

Grading:

Daily Class Participation: (Warm Ups, Class Discussion, Group Work, Notes) 10%
Classwork: (Labs, Handouts, Worksheets, work assigned and worked in class) 25%
Homework: (Reading Articles, Journals, Projects at Home, Study Guides, Practice work) 10%
Vocabulary: (Vocabulary Cards and Work) 10%
Exams: (End of Unit Projects, Tests, and Quizzes, including all District or State tests) 45%

Effort Grade: Participation, Classwork, Homework, and Vocabulary.

Academic Grade: Participation, Classwork, Homework, Vocabulary, and Exams.

Conduct Grade: Participation, Numbers of Redirects, Refocusing, Relocations, and Referrals.

Lowest Grade in Each area will be dropped if there is more than 2 assessments.
Every Thursday Grades will be entered into the Student’s Agenda Planner and checked in Friday’s Advisory.

Grade Scale:
A = 94-100  A- = 90-93
B = 83-86  B+ = 87-89  B- = 80-82
C = 73-76  C+ = 77-79  C- = 70-72
D = 63-66  D+ = 67-69  D- = 60-62
F = Below 60

Classroom Rules and Procedures:
Rules: Be Safe, Be Respectful, and Be Responsible.

Classroom Rules and Consequences
It is Never Ok to be Disruptive! It is Never Ok to be Hurtful!

SAFE:
1. Follow all Directions the First time.
2. Wait until students last class has left room and then Come in quietly and get ready. (Pencils sharpened, notebooks and binder out and Agenda/Planner opened to the date out on table.)
3. Keep hands, feet, and objects to yourself.
4. Use all materials correctly.

RESPONSIBLE:
1. Be on time to class and Ready to Learn.
2. Bring all materials with you to class and make sure area is neat and clean when you leave.
3. Start on Warm up Quietly, if you finish you may read a book, do other homework, or draw.
4. Turn in all homework/classwork.
5. Each student is responsible for his or her work area being picked up and cleaned each day.
6. Write down daily objective and homework in Agenda/Planner

RESPECTFUL:
1. Raise your hand to talk or get up, raise pencil to sharpen.
2. Use appropriate language and put all distractions away.
3. Keep any Comments in your head and use your Brain to filter them to your mouth.
4. Treat others with respect and compassion.
5. Use the correct tone and voice in class and leave Electronic Devices in Locker.

Consequences:
1st time: Redirection of Behavior.
2nd time: Suggestive or Strong Warning.
3rd time: Relocation to Penalty Box (Safe Seat) to Refocus, plus the possibility of writing a Thought provoking story then Conferencing with teacher later before next class Period, possible detention.
4th time: Relocation out of classroom to another Classroom and Parent Contact, plus the possibility of writing a Thought provoking story then Conferencing with teacher later before next class period, plus a plan to make up work, and a Detention.
Persistent: Parent Contact and Plan made to help with success including possible detention or Longer
   (Multiple Relocations) term Relocation.(Team Focus)
Severe Clause: Escort to Office and Referral will be written with Parent Contact.
_Tardies, Incorrect Electronic Usage, and Substitute Issues will result in increasing Detentions plus possible further
consequences from Office._
Students will be tardy if:
Student comes to class after bell or is not making progress in class to be ready.
Student comes to class with a pass, but is 15 minutes later than time on pass.
Student comes to class without a pass over 15 minutes late AND student is then written up for truancy.

School Tardy Policy
1 – 3 Tardies Warnings.
4 – 6 Tardies Lunch Detention.
7 – 9 Tardies After School Detention
10 – 12 Tardies Community Service arranged by Office.
13 – 15 Saturday School Detention arranged by Office.
Student Tardies start over every IPR.

**Rewards:**
Praise (Daily)
Stickers (Random)
Positive Notes or Calls Home (Random)
Prizes (Random)
Various Privileges (Random)
Positive Class Participation (Daily)
Leopard Challenge Awards
PAW's
Class Rewards
An Education that can be kept for Life!!!!!

**Resources:**
Middle school science students (grades 6-7) will not be assigned a book to take home. We use class sets as resources and various trade books.

_Allow your student has access to a computer with internet then they can have anytime access to most of our science textbooks. Just go to _http://classzone.com/eservices_ and type in their core’s activation code and follow online directions on setting up Username and Password:_

<table>
<thead>
<tr>
<th>Core</th>
<th>Period</th>
<th>Activation Code</th>
</tr>
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<tbody>
<tr>
<td>Science Core 1</td>
<td>Period 2</td>
<td>CLASS1870063</td>
</tr>
<tr>
<td>Science Core 2</td>
<td>Period 3</td>
<td>CLASS6202002</td>
</tr>
<tr>
<td>Science Core 3</td>
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<td>CLASS1325404</td>
</tr>
<tr>
<td>Science Core 4</td>
<td>Period 6</td>
<td>CLASS2111711</td>
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A super resource for your middle school student is a book called _ScienceSaurus_.
This book can be ordered from the website _www.greatsource.com_.
This book is designed to cover material taught throughout grades 6-8 also it is very kid friendly.

_For homework and other information our team website is:_

_http://service.columbia.k12.mo.us/langeallies_ Homework Hotline Phone # (573) 214-3252

**Contact Information:** Email is: _jlinhardt@cpsk12.org_ and School Phone # (573) 214-3250

Website: _http://service.columbia.k12.mo.us/jlinhard_ (Under Construction)

Save Information Above the starred line.
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**Student Name Printed:**
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**Student Signature:**
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**Parent Signature:**
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