

*****Keep in notebook*****
EAST COBB MIDDLE SCHOOL SYLLABUS (2010-11)

The sixth grade Gifted/AC science program is an inquiry-based introduction to Earth Science. The end result is the ability to think critically, to solve problems, to gain competence in laboratory techniques, and to understand the relationships of the earth, water, air, and space. **Please note that AC science incorporates middle AND high school standards.**

Course: Advanced/Gifted/AC Earth Science
Text: Holt, Earth Science, 2008
AC websites= www.teacherweb.com/GA/eastcobb/ac

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Course Content/time line (may vary by 1-2 weeks):

Introduction (class procedures, graphing, computer skills, what is Earth science, scientific method, metric measuring)	3-4 weeks
1: Geosphere (minerals, rocks)	4-5 weeks
2. Processes of Geosphere (rock cycle, plate tectonics, earthquakes, volcanoes)	9-10 weeks
3. Hydrosphere (water, water cycle, ocean topography, currents, waves, tides)	5-6 weeks
4. Atmosphere (seasons, weather, and climate)	4-5 weeks
5. Astronomy (theories, universe, solar system, moon and planets)	5-6 weeks
6. Biosphere (energy sources and natural resources)	1-2 weeks

Grading Procedures: **Be sure to check PINNACLE weekly. Contact me if anything is unclear.**

Approximate Grade Breakdown:	50%=chapter tests and major projects
	20%=classwork/homework
	30%=labs, quizzes, mini-projects

LIMITED extra credit may be available only as announced.

Any assignment containing ANY plagiarized work (from Internet or another student) **will receive 0 points!**

Methods of instructions:

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| 1. laboratory investigations/demonstrations | 6. computer programs/Internet/Brainpop |
| 2. video tapes/DVD's | 7. educational science games |
| 3. worksheets and handouts | 8. reports/projects |
| 4. science notebook | 9. fieldtrip(s) |
| 5. oral/visual presentations | 10. cooperative group work |

Special Requirements/supplies for class (suggested):

1. **9x11" spiral notebook (50-100 pages)**
2. **3 rolls of clear tape** (to tape work into Interactive Spiral Notebook)
3. XL book cover IF NOT using online textbook
4. notebook paper (white or recycled with 3 holes)
5. black or blue pens---other colors are only for correcting papers
6. sharpened #2 pencils (be sure the eraser does not smear)
7. **calculator**---basic (**bring to class everyday!**)
8. graphing paper---keep a few sheets in notebook (the rest can stay at home)
9. 2+ GB flashdrive (not required, but highly recommended)
10. Keep at home: glue stick, ruler with cm, notecards, highlighter, scissors
13. other suggested items: pencil pouch and manual pencil sharpener

Students may not use cell phones (cameras, i-Pods, GameBoys, etc.) during school hours; they MUST NOT be seen or hear and MUST be turned off. Students will receive an office referral for the second offense. ECMS staff is not responsible for lost or stolen electronics!