

Course: Astronomy 2, Spring 2008

Teacher: Mr. Bean Room: 201

Help Hours: 7am-7:30 am, at Lunch, or 2:15 pm- 3:00 pm

Phone: 283-1757 e-mail: jbean@carson.k12.nv.us web: www.chsfootball.net

Teacher's expectation of student:

1. Be prepared, ready to interact, i.e. ask questions, pencil, calculator, notebook, and be on time to class.
2. Complete all assignments and tasks to the best of your ability.
3. Minimize "goofiness", i.e. disrupting the learning environment.

Student's expectation of Mr. Bean

1. Facilitate student learning in a positive manner with high standards.
2. Show the student respect and care.
3. Be fair and consistent with discipline and consequences.

Class Rules and Procedures

1. Follow all CHS student hand-book rules and regulations.
2. No cell phones, I-Pods, MP3, etc.
3. Food in the hallway only. Clean your mess if any.
4. 1st-4th tardies: stay after class and clean, put up chairs, etc. (after 4th ...to the DEAN)
5. Excessive talking/acting "goofy" will be dealt with on a case by case basis. Consequences may range from after class clean/detention **to** call parents **or up to/and including** referral to the DEAN.

Late Work Policy (Real World Consequence)

1. Late work is not accepted.
2. Make-up work for excused absences only. Verification from office required.
3. Tests, labs, or videos made up before school (7am), at lunch or after school (usually 2:15-3:00pm).

Grading Policy

1. Follow the CHS student hand-book scale.
2. No alternative assignments. Step-up and get assignments completed.
3. Total points system
 - a. Daily Magnetic Field and k-index calculations, 20 points
 - b. Video Bullets: 10 points each when available
 - c. PowerPoint Projects: 100 points each
 - d. Quiz: usually on **Fridays** and **Mondays** depending on A/B day rotation: 25 points each
 - e. Unit Tests: 4 @ 100 points
 - f. Mid-Term: 150 points on or about March 18 &19
 - g. Final Part 1 & 2: TBA
 - h. Curve is teacher's discretion

Student (Print/Initial) _____ Date _____

Tentative Course Outline Astronomy 2

Unit 1: the Earth's Magnetic Field

- Electricity & Magnetism (1)
- GEONS & Solar Weather (1)
- B-field Calculation (1)
- The K-index (1)
- Geomagnetic Storms, i.e. Auroras (1)
- Approx. Lectures (5)

Unit 2: Beyond the Atom

- The 4-Forces of Nature (1)
- Atomic Structure (1)
- The Elements & Spectra (2)
- Quantum Theory (2)
- Radiation (1)
- Sub-atomic particles (1)
- String Theory & other Stuff (1)
- Approx. Lectures (9)

Unit 3: The Sun and the Stars

- Properties, Formation, Evolution, and Death (5)
- Constellations (1)
- Super Novas, Neutron Stars, Quasars, and Dwarfs (2)
- Black Holes and Stranglets (2)
- Approx. Lectures (10)

Unit 4: Einstein

- Isaac Newton (3)
- Electromagnetic Radiation & the Duality of Light (2)
- Special Theory of Relativity (2)
- General Theory of Relativity (1)
- Time Travel (2)
- Approx. Lectures (10)

Unit 5: Galaxies and Beyond

- The Big Bang (1)
- Cosmic Background Radiation and Doppler (1)
- The Milky Way and Other Galaxies (3)
- Fate of the Universe (1)
- Dark Matter and Dark Energy (1)
- Astrobiology (2)
- Approx Lectures (9)