



Meridian Technical Charter High School

Bodell: Freshman Earth Science / Tech Tools Syllabus

Classroom N02

Email: jeff.bodell@mtchs.org

Building Hours: M-F 6:45am – 2:45pm

Freshman Earth Science / Tech Tools is a course designed to expose students to the many facets of Earth Science and integration of Technology. Students will utilize technology to manipulate and interpret data as it relates to the Earth and important systems that interact with the Earth. You will earn credit for Earth Science and Tech Tools during this blocked course. Although any given day may or may not be designated as Earth Science or Tech Tools, you will earn separate grades during the class time depending on the activities of that particular day. Students will be notified as to which class a given assignment or activity will earn credit for. * **Tech Tools syllabus is available online @ mtchs Moodle Course.**

Grades are earned through traditional Quizzes/Tests, Computer based lab activities, and Technology based Projects and Professionalism. Below is a general timetable of the units/topics to be studied this fall semester.

Course Expectations and Routines:

This is a fully integrated core Earth Science Class. This means, Technology will be integrated into the Earth Science curriculum. This will make Earth Science relevant and valuable as an educational aspect of your life.

This course will consist of activities such as, Discussions, Lectures, Web-Research, Videos, Labs, Technology Assignments, Final Projects and traditional tests/quizzes. Your participation in discussions, lectures, and group work will figure in as part of your overall grade. The grade scale is shown below and is used in all MTCHS courses.

MTCHS Grading Scale	Grading Categories Earth Science:	Grading Categories Tech Tools:
A = 90 – 100	Professionalism 10%	Professionalism 10%
B = 80 – 89	Portfolios 30%	Tech Projects 40%
C = 70 – 79	Participation 10%	Participation 20%
WP = 0 – 69	Tests/Quizzes 30%	Tests/Quizzes 30%
	Lab Activities 20%	

Grades are earned once a student has demonstrated the specific competencies for a given unit or section of study. Unit assessments and course final exams will be given to demonstrate knowledge of content..

Late Work Policy –

Students may receive **no more than 70% for any late assignment**. Any missing or late assignment may be submitted up **to two (2) school business days after the assignment due date in PowerSchool**. Exceptions to this policy may be requested by the student in writing or email. The instructor will make the final determination on extension requests and will inform the student of the decision in writing or email. Individual teacher will determine due date on make-up/redo assignment.

<p>Fall Semester Outline</p> <p>Unit 1: Science Foundations & GeoTime Sept. Scientific Method Data and Graphs Geologic Eras and Periods Fossils</p> <p>Unit 2: Intro to Geology Sept – Nov The Crust Plate Tectonics Earthquakes / Volcanism Mountain Building</p> <p>Unit 3: Astronomy Nov. – Dec. The Earth and Moon Inner/Outer Planets Exoplanets</p> <p><i>FRESH PROJECT- To Be Determined... Integrated Mars - Semester Project</i></p>	<p>Spring Semester Outline</p> <p>Unit 4: Astronomy-Continued Jan. – Feb Asteroids-Meteors-Comets Jan The Sun – Stars Stellar Evolution.</p> <p>Unit 5: Weather Feb.-March The Atmosphere Cloud Formation Severe Weather</p> <p>Unit 6: Rocks and Minerals March - April Rock Cycle Rocks and Minerals</p> <p>Unit 7: Water Resources April - May Water Cycle Hydrology</p> <p>Unit 8: Oceanography May- June Ocean Mechanics Ocean Biomes</p>	<p>Extra Credit</p> <p>Extra credit is available throughout the semester for those students interested in earning extra points. Some opportunities will arise through the daily activities and curriculum enrichment.</p> <p>Students are encouraged to complete assignments on time and be sure they are complete to earn the most credit available. Extra credit is not the most efficient way to earn points or to raise your grade.</p> <p>The Earth Science Online Moodle course will post extra credit activities for students to complete if they are in need of a few extra points.</p>
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This is only a general outline of the semester activities, some elements may be changed to better suit the needs of the students, teacher or school