ISD 846 Breckenridge Public School Curriculum Map--- The nature of science and matter and it's changes, September 2005 Unit One		
Curriculum / Course / Grade: 8 Earth Science		
Teacher's Name: Tim Somes		
Standard(s): A: The student will understand that scientific inquiry is used by scientists to investigate the natural world in systematic ways. B: The student will know that science and technology are human efforts that both influence and are influenced by civilizations and cultures worldwide.		
Skills / Benchmarks: A.1: The student will describe how scientists can conduct investigations in a simple system and make generalizations to more complex systems. B.1: The student will know that science and technology are human efforts that both influence and are influenced by civilizations and cultures worldwide.	Assessment: Q and A in class, class discussions, lab activity, worksheets, quiz, written test	Content: scientific method, science words, determine density
Essential Questions:		
Activities:		
Resources used:		
Methods of Delivery:		
Curricular Collaboration:		
Notes:		

ISD 846 Breckenridge Public School Curriculum Map --- Unit Two, Astronomy October, November and December 2005 ,		
Curriculum / Course / Grade: 8 Earth Science		
Teacher's Name: Tim Somes		
Standard(s): A: The student will compare objects in the solar system and explain their interactions with the Earth. B: The student will describe the composition and structure of the universe		
Skills / Benchmarks: A.1 The student will recognize that the sun is the principal energy source for the solar system and that this energy is transferred in the form of radiation. A.2. The student will explain how the combination of the Earth's tilted axis and revolution around the sun causes the progression of seasons and weather patterns. A.3. The student will compare and contrast the planets, taking into account their composition, mass and distance from the sun and recognize the conditions that have allowed life to flourish on Earth. A.4. The student will use the predictability of the motions of the Earth, and sun to explain the	Assessment: Q and A in class, class discussions, lab activity, worksheets, quiz, written test	Content: Structure of the sun, fusion, radiation, seasons, nine planets, rotation, revolution, axis, moon journal, galaxies, universe, H-R diagram, light year,

length of day, length of year, phases of the moon, eclipses, tides and shadows. B.1. The student will recognize that the universe consists of many billions of galaxies, each containing many billions of stars and that there are vast distances that separate these galaxies and stars from one another. B.2. The student will recognize that the sun is a medium-sized star and is the closest star to Earth. It is the central and largest body in the solar system and is one of billions of stars in the Milky Way Galaxy.		
Essential Questions:		
Activities:		
Resources used:		
Methods of Delivery:		
Curricular Collaboration:		
Notes:		

ISD 846 Breckenridge Public School Curriculum Map ---Unit Three: Rocks and Minerals – January /February 2006		
Curriculum / Course / Grade: 8th Grade Earth Science		
Teacher's Name: Tim Somes		
Standard(s): A The student will identify Earth's composition, structure and processes		
Skills / Benchmarks: A.1. The student will describe the various processes and interactions of the rock cycle. A.2. The student will classify and identify rocks and minerals using characteristics including but not limited to density, hardness and streak.	Assessment: Q and A in class, class discussions, lab activity, worksheets, computer challenge, quiz, written test	Content: Minerals, hardness scale, scratch plate, rock cycle, rock types, rock identification, rock samples,
Essential Questions:		
Activities:		
Resources used:		
Methods of Delivery:		
Curricular Collaboration:		
Notes:		

ISD 846 Breckenridge Public School Curriculum Map --- Unit Four: Earths Internal Processes. March/April 2002		
Curriculum / Course / Grade: 8th Grade Earth Science		
Teacher's Name: Tim Somes		
Standard(s): A The student will identify Earth's composition, structure and processes.		
Skills / Benchmarks: A.1The student will explain how earthquakes,	Assessment: Q and A in class,	Content: Plate tectonics, subduction,

volcanoes, sea-floor spreading and mountain building are evidence of the movement of crustal plates. A.2. The student will describe how features on the Earth's surface are created and constantly changing through a combination of slow and rapid processes of weathering, erosion, sediment deposition, landslides, volcanic eruptions and earthquakes.	class discussions, lab activity, worksheets, quiz, written test	convergence, divergence, strike slip, shear, Richter scale, seismograph, magma, volcano, volcanic structures, seismic waves, epicenter, igneous rock features, energy from the earth
Essential Questions:		
Activities:		
Resources used:		
Methods of Delivery:		
Curricular Collaboration:		
Notes:		

ISD 846 Breckenridge Public School Curriculum Map --- Unit 5: Earths Atmosphere, May, 2006		
Curriculum / Course / Grade: 8th Grade Earth Science		
Teacher's Name: Tim Somes		
Standard(s): A. The student will investigate how the atmosphere interacts with the Earth system.		
Skills / Benchmarks: A.1. The student will define radiation, conduction and convection and explain their effects on weather and climate. A.2. The student will identify the forces that create currents and layers in the Earth's atmosphere and water systems. A.3. The student will describe the effect of Earth's rotation on the winds and ocean currents.	Assessment: class discussions, lab activity, worksheets, quiz, written test	Content: Heat transfer, weather, climate, troposphere, stratosphere, mesosphere, thermosphere, ionosphere, Coriolis effect, wind systems
Essential Questions:		
Activities:		
Resources used:		
Methods of Delivery:		
Curricular Collaboration:		
Notes:		

ISD 846 Breckenridge Public School Curriculum Map ---		
Curriculum / Course / Grade:		
Teacher's Name:		
Standard(s):		
Skills / Benchmarks:	Assessment:	Content:

Essential Questions:
Activities:
Resources used:
Methods of Delivery:
Curricular Collaboration:
Notes:

ISD 846 Breckenridge Public School Curriculum Map --- March 2006		
Curriculum / Course / Grade:		
Teacher's Name:		
Standard(s):		
Skills / Benchmarks:	Assessment:	Content:
Essential Questions:		
Activities:		
Resources used:		
Methods of Delivery:		
Curricular Collaboration:		
Notes:		

ISD 846 Breckenridge Public School Curriculum Map ---April 2006		
Curriculum / Course / Grade:		
Teacher's Name:		
Standard(s):		
Skills / Benchmarks:	Assessment:	Content:
Essential Questions:		
Activities:		
Resources used:		
Methods of Delivery:		
Curricular Collaboration:		
Notes:		

ISD 846 Breckenridge Public School Curriculum Map --- May 2006		
Curriculum / Course / Grade:		
Teacher's Name:		
Standard(s):		
Skills / Benchmarks:	Assessment:	Content:
Essential Questions:		
Activities:		
Resources used:		
Methods of Delivery:		
Curricular Collaboration:		
Notes:		