

2005 GEOLOGY OF IOWA FOR TEACHERS PROJECT STATEMENTS

Tina Turner – Develop a large scale wall visual of the seven landform regions in Iowa

Carla Sanders – Learning about the seven landform regions of Iowa and collecting associated rock types

Dave Dreessen – Collecting rock, fossil, and mineral (soil) samples of northwest Iowa and understanding the stratigraphic column and the geological processes that shaped the topography of this area

Mike Mounts – Introductory unit on Iowa Geology for freshman; lowater with school site watershed

Steve Anderson – Samples of the three types of rocks and a related lab

Brenda Hack – Using fossils to understand Iowa’s past environment and its impact on our future

Glenn Varner – Use materials collected to pre-educate students for field trips in a “Geology of Iowa” class

Tom Wagner – Monitoring physical and chemical parameters of the water in a local stream

Julie Holub – Visiting the Rockford Fossil Bed: Taking a Trip Back in History (middle school)

Andy Strottman – A pond study using lowater comparing two wetlands at our school

Matt Gasper – Macroinvertebrate pond study: Collection, ID, and water quality

Cortney Dierks – Lab activity: Labeling and sorting porosity of sand, soil, gravel and permeable rocks

Nathan Whipple – Mining simulation with guest speaker to discuss mining in Iowa

Kelen Panec – Ground water study: Pollution and structure

Kenneth Ebeling – Soil composition: Both organic and inorganic compounds

Tracy DeLong – Ground water hydrology: A study of the porosity and permeability of rock strata

Brenda Becker – Collection of fossils to show as we study geological time periods; Students design a brochure on a time period

Margaret Wolter – Nature walk: Looking at the topography of the area and relating the force of nature that brought it about (glacier, water, and wind)

Tom Steirman – A mediation exercise in land use (for high school students, but may be adapted for use with younger students)

Julie Timmins – Movie for introduction in earth materials then collection of rocks/fossils to start looking for characteristics found in rocks

Christopher Soldat – Create “storylines” of major concepts and subconcepts for elementary/middle level FOSS modules: Soil, sand and pebbles, and earth materials and landforms

Karen Koenig – A unit on the “Hydrology of Iowa” for middle school students

Nancy Clawson – Students will be “corporate” researchers hired to decide where a new town well should be drilled. “Problems” will crop up in this real life scenario before they present their proposals to the city council

Bert Miller – Students will use library and other reference sources to identify the various rocks, fossils, and soil types found in Iowa

Heather Bessman – During a unit on Iowa’s geological past, students will complete an independent project centering on becoming an expert on a certain Devonian animal. Students will present their animal to the class in some sort of project presentation