USD 469 Lesson Plan

Lesson Title	Forces and Energy Study Guide
Created by	Jennifer Kolb
Building	LMS
Grade Level	6th grade
Subject Area	Science
Time *(Time frame for the lesson)*	2-3 lessons
State Standards Addressed	**STANDARD 2: PHYSICAL SCIENCE – The student will apply process skills science including: properties, changes of properties of matter, motion** **Benchmark 3: The student will investigate motion and forces.** **Benchmark 4: The student will understand and demonstrate the transfer of energy.**
Technology Equipment *(list the equipment needed and what needs to be connected before the lesson begins. Also any instructions on connecting)*	Student computers that support MS Publisher and a printer.
Tips *(Special instructions or information that will help the instructor be successful using the equipment. What the students need to know BEFORE the lesson? What do the teachers need to know before the lesson?*	This lesson involves creating a physical science study guide emphasizing forces, motion, and energy. Students will need to have previously conducted research and received instruction on these topics. There is a template that students will fill in which will reinforce their understandings of the concepts of both forces and energy. Many students do not have experience with the Publisher program, for this reason a template is provided which is a more guided method of instruction. The blue text in the attached sample shows what information students will add.
Activity Type *(list all that apply- Group activity, Cooperative learning, Research, Hands on, etc…)*	This is a cooperative project that also requires research.
Activity Context *(Briefly describe how the activity fits into the context of the lesson. What will precede the activity? What will follow the activity? What do you want to accomplish by using the activity in your classroom)*	Students are taught about motion and forces and energy. In this lesson students will use the information they have already received in order to create a tri-fold study guide using the MS Publisher program. Students are required to think of real world examples that show balanced and unbalanced forces, and kinetic and potential energy as well as vocabulary development that pertains to physical science. Through this activity students will arrive at a more complete understanding of physical science as well as gain experience creating a tri-fold on the computer.
Additional Materials/Resources *(Handouts)*	Students will take a quiz over motion and forces. Students will also complete a hands-on demonstration showing their understanding of motion, forces, and

	energy.
Extension Activities/Follow up *(What do you do next? How do you know it was successful? Other activities to do.)*	Student quiz scores will be used to determine how successful this activity was. Additionally, students will be required to answer questions not contained in their tri-folds so they will have the opportunity to analyze and synthesize new material in order to answer questions about forces and energy.