Science / Social Studies – Recycling – 1st grade, 3rd quarter

Strand(s):	SOL objectives:
Science Social Studies	Science: Social Studies: Technology: 1.3.5, 1.3.6

1. DESIRED RESULTS

Enduring Understandings (BIG ideas)

Recycling helps the environment.

Essential Questions	***Knowledge and Skills***
What is recycling? What things can be recycled? What are the challenges of recycling? How does recycling help our environment?	Name objects that can be recycled. Explain how recycling can help our environment. Sort recyclables according to material/category. ***Vocabulary*** Database Recycle

2. ASSESSMENT EVIDENCE

Prior knowledge	Ongoing throughout lesson	By the end of the lesson
Identify the following materials: glass, paper, plastic Be able to sort objects into categories.	1. Students bring in objects that can be recycled or the teacher has a container of recyclables. 2. Each child fills in a simple chart listing his/her recyclables (student's name, name of recyclable, material, quantity) 3. As a class, create a database on recyclables. Database will use popup menus and text fields. 4. Each child will enter his/her information from his/her data sheet.	A class database will have been completed. Teacher facilitates discussion on what types of recyclables were broght to school using the sort and find features of the database. Students create a recycling display by gathering all of their recyclables and sorting the recyclables into the three categories. If necessary, include a category of non-recyclables.

3. LEARNING ACTIVITIES/INSTRUCTION (35-45 min)

Introduction (hook)	What students are doing	Conclusion
What recyclables did you bring to class? Students show and tell their recyclables. Review the types of materials that can be recycled.	Each student completes a datasheet on his/her objects and enters his or objects into a class database.	As a class, discuss what objects were entered into the database.Discuss which material was most prevalent.

Accommodations	*Materials and Resources*
Extra support: Make a sample datasheet as a class of how to fill out the datasheet, include pictures of objects from each category **Enrichment or early finishers:** Find objects in the classroom that also can be recycled and objects that cannot be recycled. **Various learning styles:** Kinesthetic, visual, mathematical, linguistic **Limited English proficiency:** Work in partners, picture and word cues	Datasheet Recyclables Classroom Computer Chartpaper Room for classroom display of recyclables
Related Technology	***Literature Connections***
Technology: 1.3.5, 1.3.6 : Create and discuss a database (use Appleworks Database)	

4. WRAP-UP (5-10 min)

Assessment	*Homework*
Evidence of student learning/understanding Completion of database, class display, accuracy in sorting and classifying objects, participation in class discussion of the importance of recycling, cooperation	

5. TEACHER REFLECTION

- Were my students talking about the recycling, or was I doing all of the talking and students were just listening to me?
- Were my students engaged at the beginning of the lesson?
- How much time did I spend reviewing homework, and how much time did I spend on new material?
- Did the students respond to "How" and "Why" questions?
- Did my students have an opportunity to discuss and/or write about recycling?
- What changes would I make next time the lesson is taught?
- What steps do I need to take next in this topic?