Arizona Department of Education Academic Standards

The *Too Good to Throw Away!* program for grades 3-5 addresses the following Academic Standards. (Complete versions of the Academic Standards are available at http://www.azed.gov/standards-practices/.)

SCIENCE STANDARDS	ACTIVITY #1	ACTIVITY #2	ACTIVITY #3	PRESENTATION
SC03-S1C1-01 Formulate relevant questions about the properties of objects, organisms, and events of the environment using observations and prior knowledge.	✓	✓		✓
SC03-S1C2-04 Use metric and U.S. customary units to measure objects.			✓	
SC03-S1C2-05 Record data in an organized and appropriate format (e.g., t-chart, table, list, written log).	✓	✓	✓	
SC03-S3C1-02 Describe the beneficial and harmful impacts of natural events and human activities on the environment (e.g., forest fires, flooding, pesticides).				✓
SC03-S6C1-06 Describe ways humans use earth materials (e.g., fuel, building materials, growing food).				✓
SC04-S1C2-04 Measure using appropriate tools (e.g., ruler, scale, balance) and units of measure (i.e., metric, U.S. customary).			✓	
SC04-S1C2-05 Record data in an organized and appropriate format (e.g., t-chart, table, list, written log).	✓	✓	✓	
SC04-S3C1-01 Describe how natural events and human activities have positive and negative impacts on environments (e.g., fire, floods, pollution, dams).				✓
SC04-S3C1-02 Evaluate the consequences of environmental occurrences that happen either rapidly (e.g., fire, flood, tornado) or over a long period of time (e.g., drought, melting ice caps, the green house effect, erosion).				✓
SC04-S3C2-02 Describe benefits (e.g., easy communications, rapid transportation) and risks (e.g., pollution, destruction of natural resources) related to the use of technology.				✓
SC04-S4C3-01 Describe ways various resources (e.g., air, water, plants, animals, soils) are utilized to meet the needs of a population.				✓

SCIENCE STANDARDS (CONT.)	ACTIVITY #1	ACTIVITY #2	ACTIVITY #3	PRESENTATION
SC04-S4C3-02 Differentiate renewable resources from nonrenewable resources.	✓			✓
SC04-S4C3-03 Analyze the effect that limited resources (e.g., natural gas, minerals) may have on an environment.	✓			✓
SC04-S4C3-04 Describe ways in which resources can be conserved (e.g., by reducing, reusing, recycling, finding substitutes).	✓	✓	✓	✓
SC05-S1C2-04 Measure using appropriate tools (e.g., ruler, scale, balance) and units of measure (i.e., metric, U.S. customary).			✓	
SC05-S1C2-05 Record data in an organized and appropriate format (e.g., t-chart, table, list, written log).	✓	✓	✓	
SOCIAL STUDIES STANDARDS				
SS03-S3C4-02 Describe the importance of students contributing to a community (e.g., service projects, cooperating, volunteering).	✓	✓	✓	✓
SS03-S4C2-02 Describe how physical and human characteristics of places change from past to present.				✓
SS03-S4C3 Correlates with SC03-S3C1.				✓
SS03-S4C5-01 Identify ways (e.g., farming, building structures and dams, creating transportation routes, overgrazing, mining, logging) in which humans depend upon, adapt to, and impact the earth.	✓			✓
SS03-S4C5-02 Describe ways of protecting natural resources.	✓	✓	✓	✓
SS03-S4C5-03 Identify resources that are renewable, recyclable, and non-renewable.	✓	✓	✓	✓
SS03-S5C1-01 Identify how scarcity requires people to make choices due to their unlimited wants and needs.	✓	✓	✓	✓
SS03-S5C1-06 Discuss how producers use natural, human, and capital resources to create goods and services.				✓

SOCIAL STUDIES STANDARDS (CONT.)	ACTIVITY #1	ACTIVITY #2	ACTIVITY #3	PRESENTATION
SS04-S3C4-01 Discuss ways an individual can contribute to a school or community.	✓	✓	✓	✓
SS04-S4C3 Correlates with SC04-S3C1 and SC04-S4C3.	✓			✓
SS04-S4C5-01 Describe human dependence on the physical environment and natural resources to satisfy basic needs.	✓	✓	✓	✓
SS04-S4C5-03 Describe the impact of human modifications (e.g., dams, mining, air conditioning, irrigation, agricultural) on the physical environment and ecosystems.	✓			✓
SS05-S3C4-01 Describe ways an individual can contribute to a school or community.	✓	✓	✓	✓
MATH STANDARDS				
3.OA.1 Interpret products of whole numbers.			✓	
3.OA.2 Interpret whole-number quotients of whole numbers.			✓	
3.OA.5 Apply properties of operations as strategies to multiply and divide.			✓	
3.OA.7 Fluently multiply and divide within 100.			✓	
3.NBT.2 Fluently add and subtract within 1000.			✓	
4.OA.1 Interpret a multiplication equation as a comparison.			✓	
4.NBT.4 Fluently add and subtract multi-digit whole numbers using the standard algorithm.			✓	

MATH STANDARDS (CONT.)	ACTIVITY #1	ACTIVITY #2	ACTIVITY #3	PRESENTATION
4.NBT.5 Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers.			✓	
4.NBT.6 Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors.			✓	
5.NBT.5 Fluently multiply multi-digit whole numbers using the standard algorithm.			✓	
5.NBT.6 Find whole-number quotients of whole numbers with up to four-digit dividends and two-digit divisors.			✓	
SPEAKING AND LISTENING STANDARDS				
3.SL.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacherled) with diverse partners on grade 3 topics and texts, building on others' ideas and expressing their own clearly.	✓	✓	✓	✓
3.SL.3 Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.	✓	✓	✓	✓
4.SL.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacherled) with diverse partners on grade 4 topics and texts, building on others' ideas and expressing their own clearly.	✓	✓	✓	✓
5.SL.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacherled) with diverse partners on grade 5 topics and texts, building on others' ideas and expressing their own clearly.	✓	✓	✓	✓

Teacher Note: Pursuing the suggested Extension Ideas at the end of the pre- and post-visit activities will allow you to address additional ADE standards in a variety of subject areas.