

## Second Grade ACE Resource Program

### Journey Books

**Please review your child's journey book and return it back to school with your child tomorrow.** It contains samples of some of the work done in ACE during this year. Many lessons and activities that are done in class cannot be reproduced. Please ask your child what we have been working on as well.

### **Third Quarter**

Here are the latest updates on what your child will be learning during ACE resource this quarter. Lessons and units are planned that will help expand learning by enabling students to use and develop critical thinking skills as well as stimulate their creativity.

### LEGO® Education WeDo

Thanks to the profits made from the ACE Fund-raisers, we were able to purchase the LEGO® Education WeDo™ systems. The LEGO® Education WeDo™ is a new robotics product that facilitates a hands-on, minds-on learning experience for elementary school students. The WeDo concept actively involves students and promotes children's creative thinking, team-work and problem solving skills. Working in teams, the children invent their own solution by building a LEGO model and programming it to perform a certain task.

The Activity pack includes 12 activities based on four themes: Soccer, Adventure Stories, Wild Animal Park and Mechanical Toys. Designed to cover a broad range of curriculum areas, topics covered include:

- Language and literacy: narrative and journalistic writing, storytelling, explaining, interviewing and interpreting
- Mathematics: measuring time and distance; adding, subtracting, multiplying, dividing, estimating, randomness; using variables
- Science: working with simple machines, gears, levers, pulleys; transmission of motion
- Technology: programming; using software media; designing and creating a working model.

We look forward to incorporating the LEGO WeDo into our pull-out resource time!

### Junior Great Books

The students will be continuing with the *Junior Great Books Read-Aloud program*. During this program, I will read an outstanding story or group of poems to the students and lead them in discussions, dramatizations, art projects, as well as creative and evaluative writing.

### Foreign Language

French-Bonjour! The students will also continue studying basic French during the this quarter. The topics included during this time include greetings, colors, numbers and the French alphabet. Au revoir!

### Language Arts/Social Studies/Math

#### Egyptian Number System

Students will be participating in an enrichment unit on the Egyptian Number System that involves students actively and intellectually in mathematical thinking. It furthers their understanding of 'number sense' and knowledge of place value in our decimal system. While learning about the Egyptian number system, students will also learn about the 'papyrus' plant used in making paper and its' process.

#### Simple Machines

Students previously worked on a K'NEX Simple Machines unit during the last quarter since it correlated with the LEGO WeDo program. The simple machines curriculum provided a variety of information and activities to teach about Levers, Pulleys, Wheels, and Axles, Gears and Inclined Planes.

### "Flip Over Math"

We will continue to work on a “Flip Over Math” unit during this quarter as time permits. “Flip Over Math” uses hands-on manipulatives paired with activities involving number sense, number operations, and problem-solving skills.

Since these projects are so long, we will also be working on a variety of other activities that involve critical thinking skills and help expand their writing skills as well during the language arts time of ACE resource.

Thank you in advance for your interest in your child’s curriculum. Please do not hesitate to contact me for further information or if you have questions regarding these programs, I will be happy to answer them. Feel free to contact me at your convenience at 966.9663, extension 5221 or email me at [aestis@nkcps.k12.va.us](mailto:aestis@nkcps.k12.va.us).