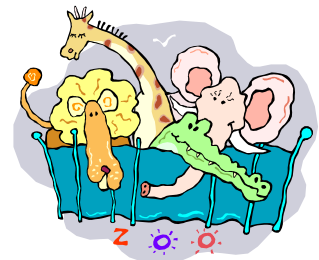


Asheboro Zoo – GPS Project



Timeline:

1. _____ Load Google Earth for use when teaching and explaining location on earth to 2nd grade students. Preview GPS video and have globe ready to use with the students.
2. _____ View GPS video on UnitedStreaming Video - “*Earth Science: Mapping the Earth*” for information on operating GPS units. Show only 4 minute segment (“*GPS – Global Positioning Systems*”) on actual GPS and discuss the interaction with satellites. Students will need to view this video prior to GPS activity that is scheduled for _____.
3. _____ Pick up GPS devices and charge batteries.
4. _____ Teachers will send a note home to the parents advising them of the Asheboro Zoo project. This note will invite them to participate in our school “GPS - Hide and Seek Activity” on _____ for practice.
5. _____ Teachers will discuss proper attire for GPS activity. Dress Appropriately!
6. _____ “GPS - Hide and Seek Activity”- Students (and Parents) will learn how to use a GPS device by searching for hidden animal caches. This will be a practice round.
7. _____ Pick up GPS devices and charge batteries.
8. Enter waypoints of mystery animals at the Asheboro Zoo. Each GPS device will be loaded with the waypoints marked for two mystery animals (one in North America and one in Africa). Classes will use these pre-programmed GPS devices to locate their caches (mystery animals). Each class will be divided into 6 groups and each group will find 2 animals (a total of 12 mystery animals per class). *Note: Before programming GPS devices, check the Asheboro Zoo website to verify that specific animals have not been moved from their home.*
9. _____ Prepare student worksheets to take to the zoo. Give worksheets to the teachers and make sure they are bringing clipboards, pencils, and digital cameras.
10. _____ Asheboro Zoo Fieldtrip – GPS Activity. Upon arriving at the Zoo, distribute GPS devices and review procedures for using the devices. See GPS cheatsheet.
11. Teachers will go over student worksheets and discuss mystery animals.

Note: This activity was adapted from the “Zoo Quest” unit created by Merea Bridges, Rockingham County, NC