

Map and Compass Magic!

Pine Tree Elementary School
Orienteering and Mapping Skills Unit
Grades 1-6

An integrated unit
combining aspects of
Physical Education,
Science, Math, and
Social Studies... and
fun!



Goals:

Challenge intellectual, emotional and physical abilities

Hone inter-personal skills

Develop self-confidence

Develop team building skills

Exposure to Gardner's Naturalist Intelligence



First Class –Oh Deer!



Skinning the Snake with older kids





Second Visit

- Older kids learn the basics of compass work
- Follow a set course of degrees to activity stations
- Perform the activity (jumping jacks, etc.)
- Make it to all stations
- Younger kids experience the forest environment on a “string course”

Older kids learning compass skills



Following bearings to activity stations



Younger kids on their first string course –
“raise your left hand, no the other left.”



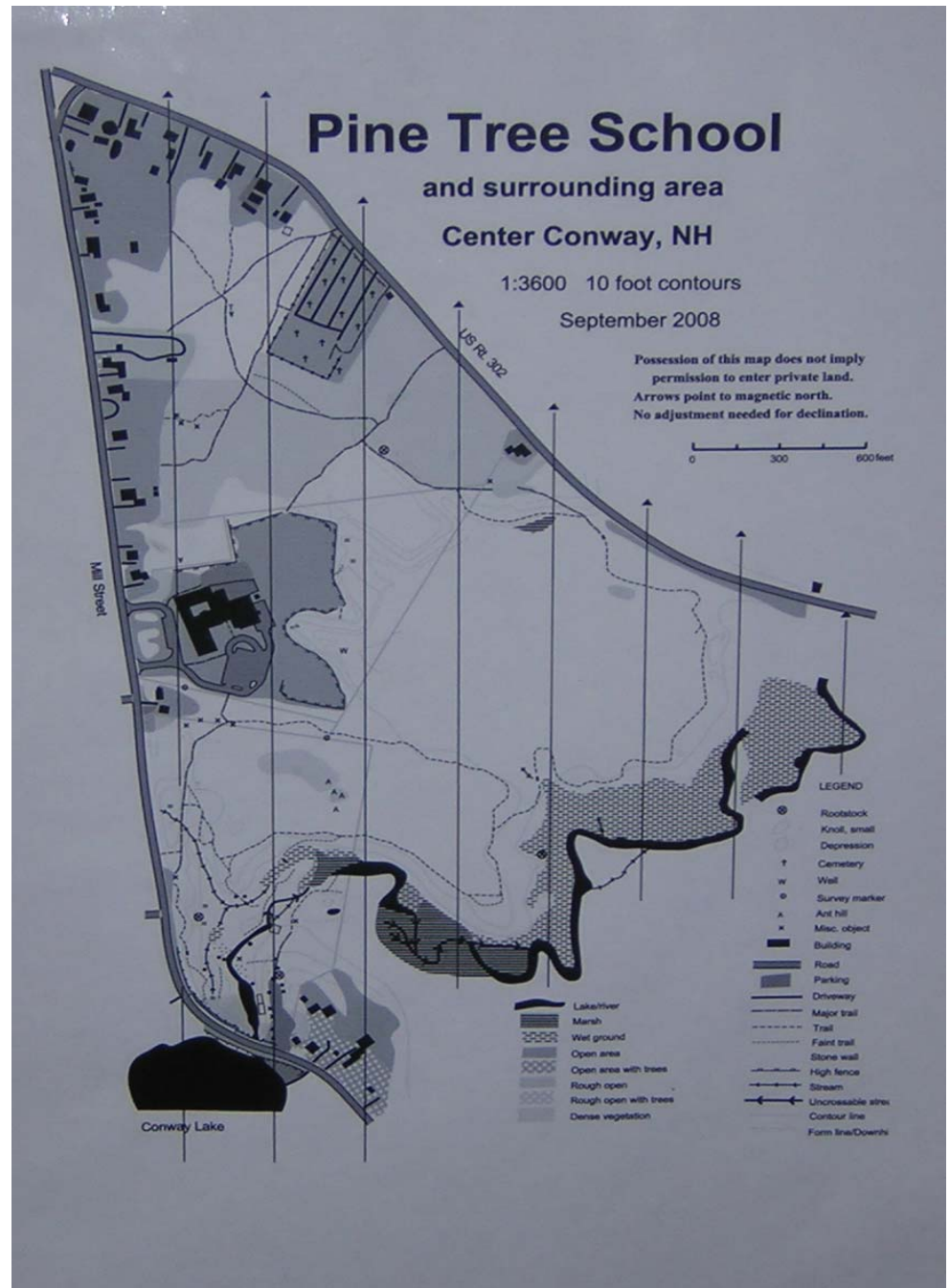
Reviewing how to use the course



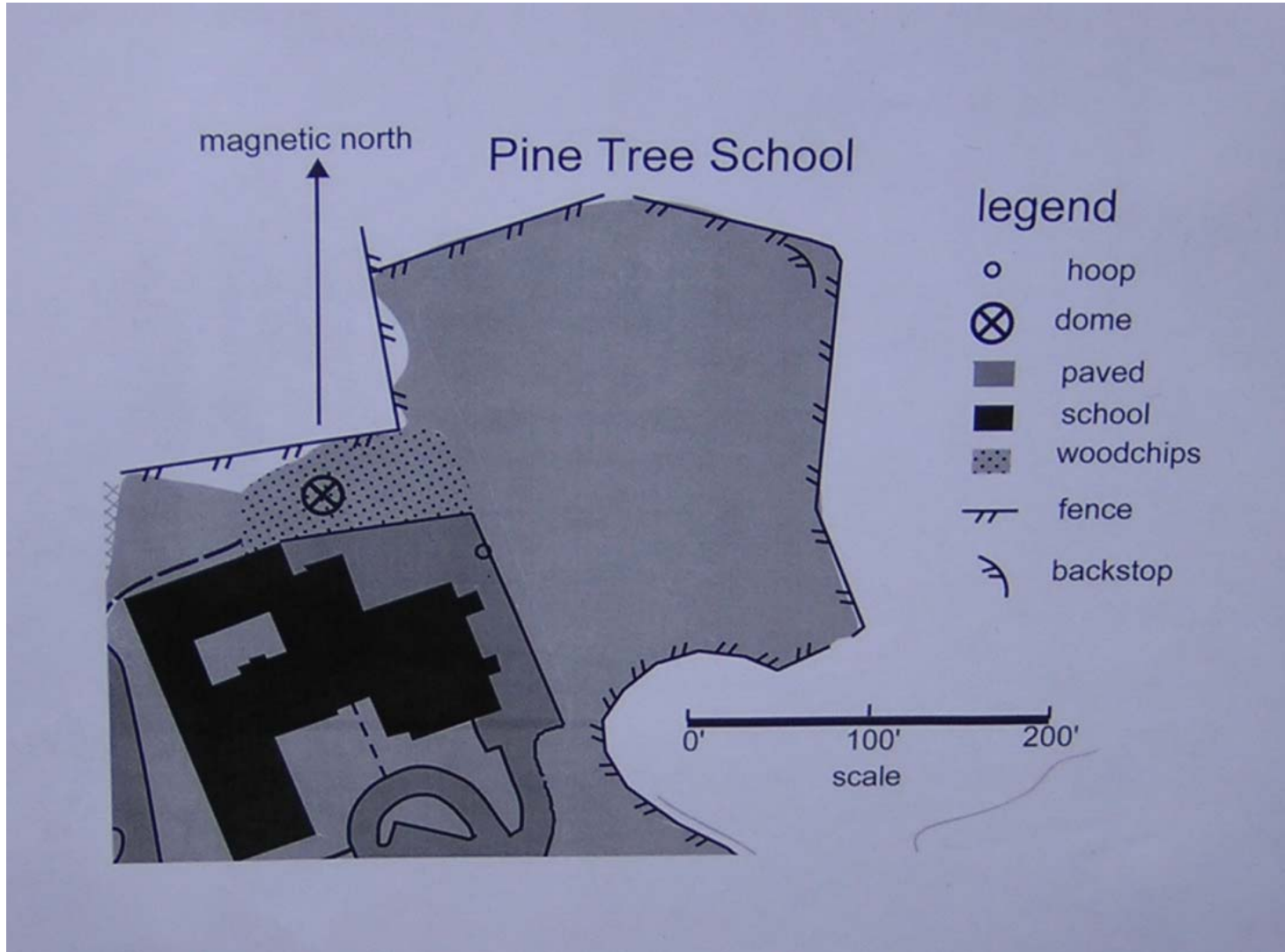
And they're off and doing well!



Typical map for orienteering



Map of Area created with OCAD



Third Visit

- Awareness of winter in the outdoors
- Following a course
- Integrating outdoor equipment
- Animal adaptations

Lynx and Hare chase on snowshoes



Staying in the tracks and away from the lynx!



At times the “Big Lynx” needed to step in to keep things going



Hares to you!!



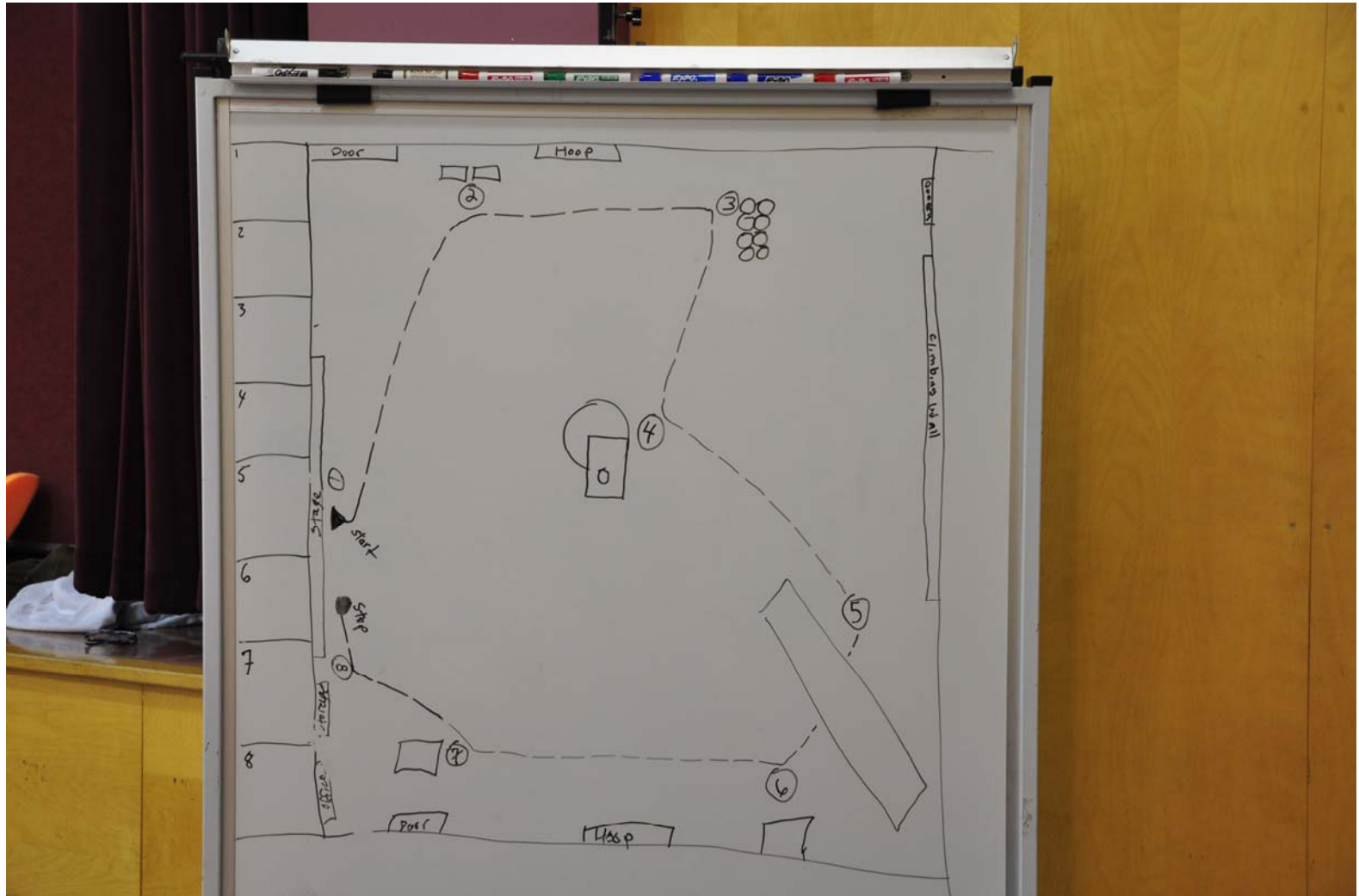


Fourth Visit

- Introducing maps and map skills
 - Setting a map
 - Following a map
 - Orienteering terms
 - Map features
- Four different courses to follow through the obstacle course
- Stamps at each station
- Answer sheets for kids to see if they followed the course.



Map Layout























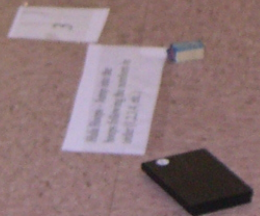
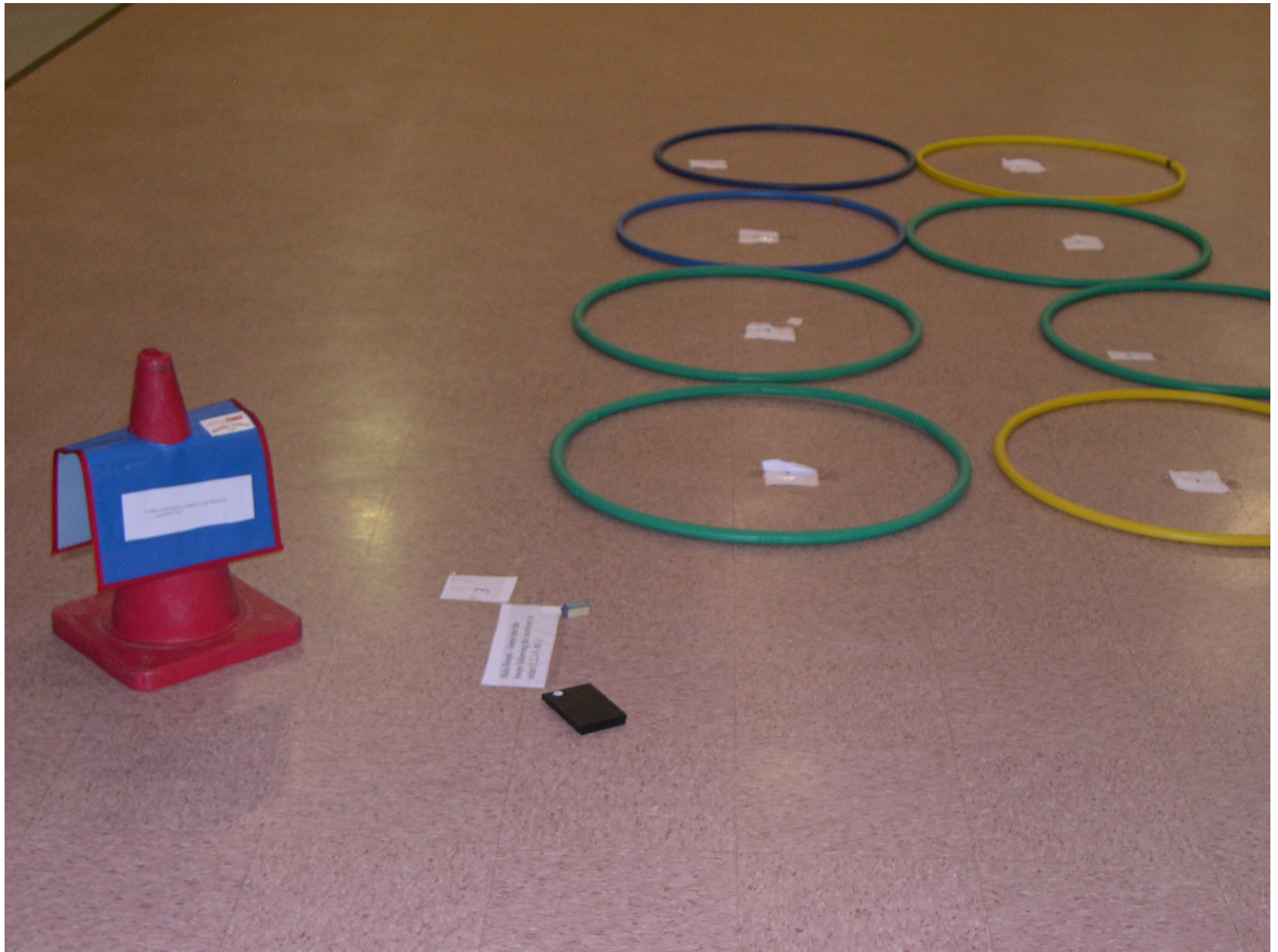






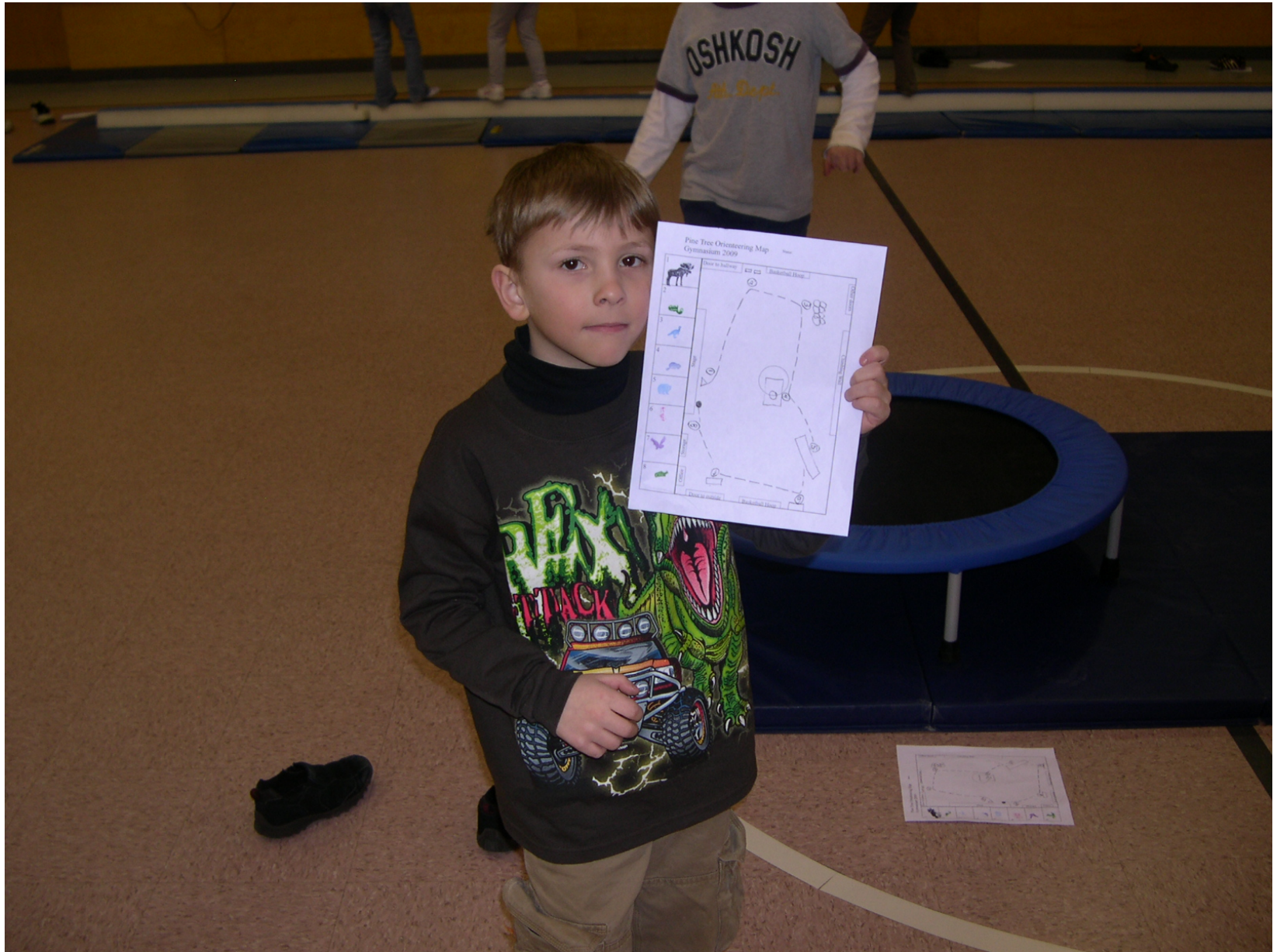
Hula Hoops – Jump into the hoops following the numbers in order (1,2,3,4, etc.)

3





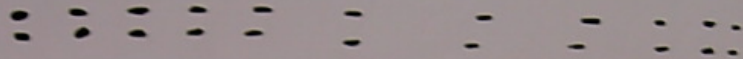




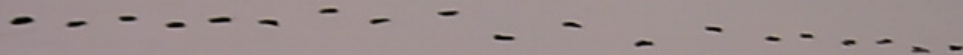
Plan B!!!!

- Inclement weather prevented us from going outside for a few of the classes.
- Younger kids investigated animal movements
- All kids learned about topography and the importance of those brown lines!

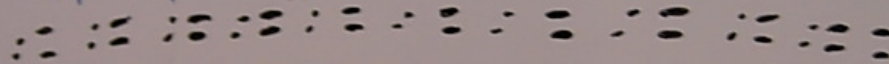
Bounders



Perfect Walkers



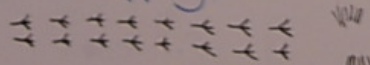
Hoppers (Leapers)



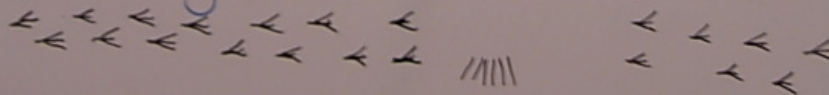
Waddlers



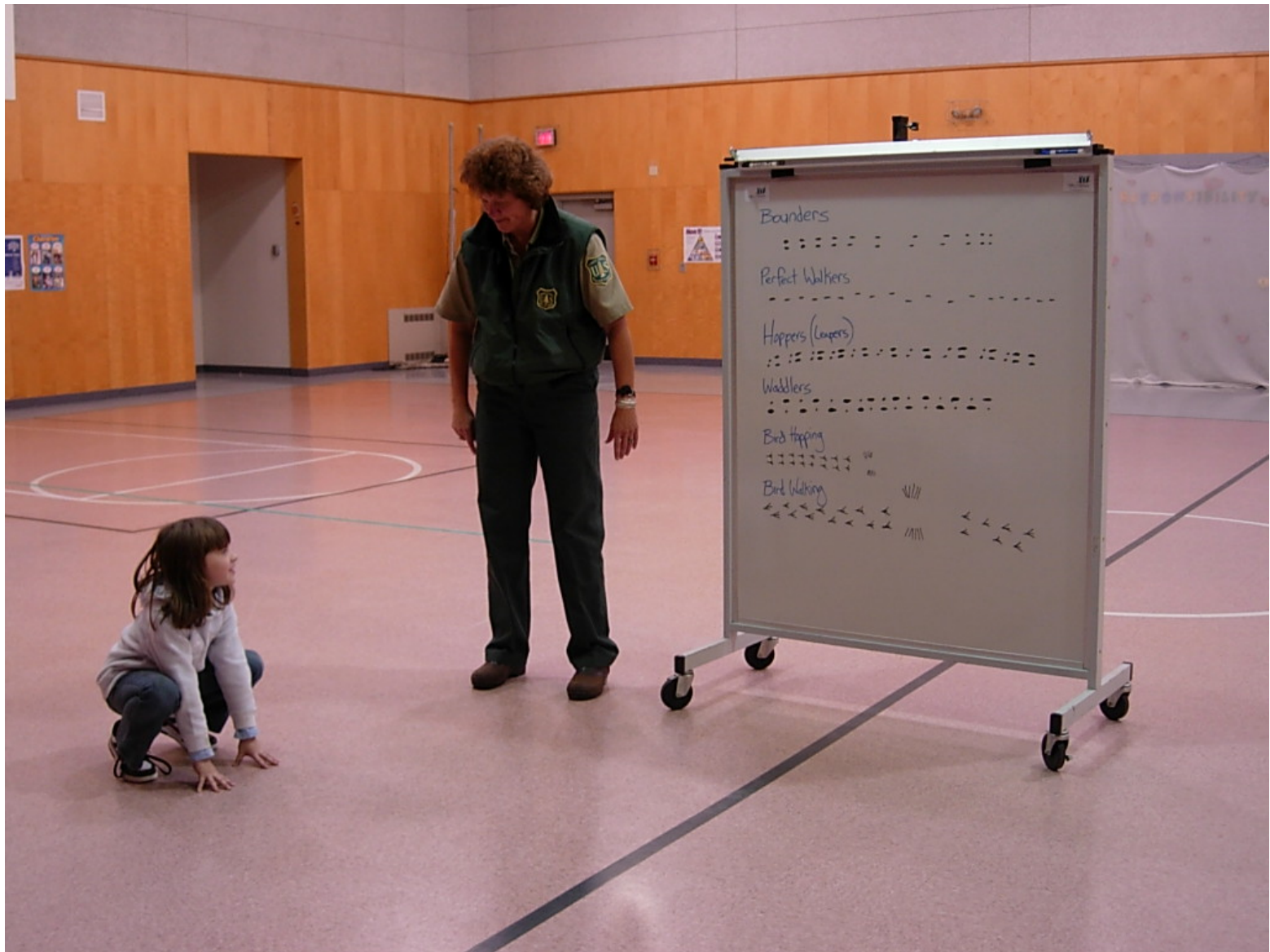
Bird Hopping



Bird Walking















String Course in the Woods

- Using map skills in the forest with the younger kids
- Younger kids investigating off string unique natural and cultural features

Into the Woods!







Working together to read the observation cards





Lunging and laughing!



Hey look!





Natural and belongs here?



Natural and belongs here!





Sure is a
funny
looking
bear there!



Parent and adult help with mini-science sessions in the woods















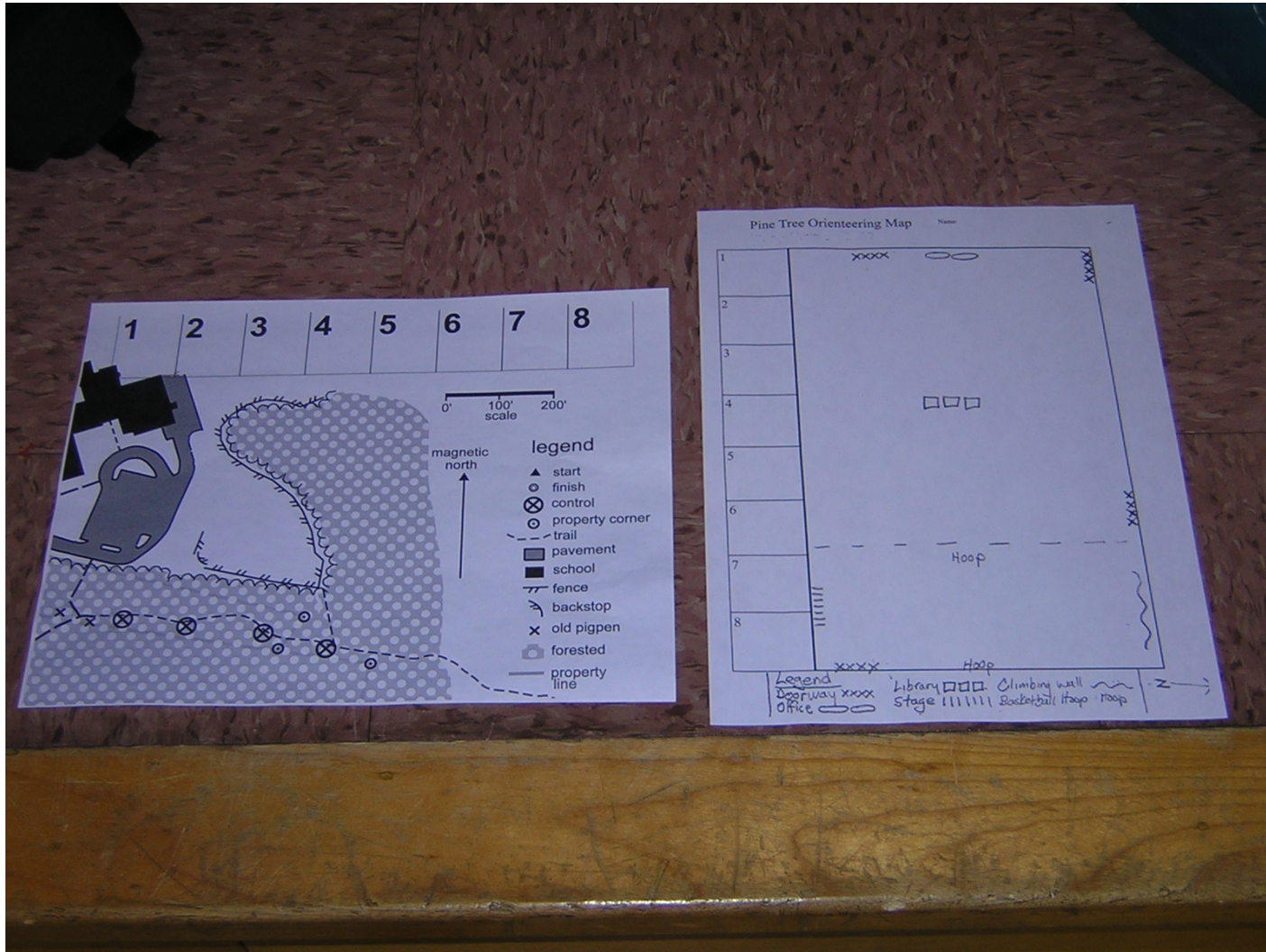




Last Visit

- Older kids create their own map for others to follow
- Younger kids follow a set map without a compass that includes stops using senses and inquiry questions
- White Mountain National Forest Foresters come out to help, do shooting stars and have fun!
- Long lasting positive impressions and experiences

Map for older kids to use



Tools of the Trade!



Foresters and staff meet their groups



Compass review with older kids



Lightning and torrential rain kept us inside but the groups succeeded in creating their maps



Control stations set up inside with official orienteering flags as control indicators

















A new way to be part of their world!

