



ORIENTEERING

Sky Ranch recognizes that learning is extremely successful when it's fun and exciting! In our ORIENTEERING class, students have an amazing adventure while learning practical skills as they:

- Learn basic compass skills, including the difference between Magnetic North and True North, while finding hidden clues.
- Become field ecologists and conduct a plot survey.
- Identify each tree species within a 10 meter x 10 meter plot.
- Measure the tree circumference to analyze growth and understand the history of the ecosystem.
- Construct a mathematical model to estimate the number of trees in Sky Forest, using their sample data.

Orienteering TEKS Blueprint

TEKS	Student Expectation	Readiness Supporting	Verb(s)	Level of Complexity
3.9 A	Observe and describe the physical characteristics of environments and how they support populations and communities within an ecosystem.	Readiness	Demonstrate	Low (understand)
5.1 A	Demonstrate safe practices and the use of safety equipment as described in the Texas Safety Standards during classroom and outdoor investigations.	S. I. & R.	Demonstrate	Low (understand)
5.2 G	Construct appropriate simple graphs, tables, maps and charts using technology, including computers, to organize, examine, and evaluate information.	S. I. & R.	Construct	High (create)
5.3 D	Connect grade level appropriate science concepts with the history of science, science careers, and contributions of scientists.	S. I. & R.	Connect	Low (understand)
5.8 C	Demonstrate that Earth rotates on its axis once approximately every 24 hours causing the day/night cycle and the apparent movement of the Sun across the sky.	Supporting	Observe, Describe	Low (remember)