**Wolf Ridge ELC Minnesota Academic Standards Matrix**

| Grade 7 Mathematics | | | **Daytime Classes** | Animal Signs | Beavers | Birds | Small Mammals | Snowshoe Hare | White-tailed Deer | Wildlife Mgmt | Forest Ecology | Plant Study | Trees and Keys | Wetlands Ecology | Lake Study | Stream Study | Fisheries Mgmt | Frozen Lake Study | Acid Rain | Geology | Weather | Living Lightly | Natures Timing | Ojibwe Heritage | Ojibwe Snowshoe | Seeds of Change | Voyageur Life | Adventure Ropes Course | Rock Climbing | Basic Survival | F.I.R.S.T Games | Beginning Orienteering | Competitive Orienteering | Canoeing | Cross Country Skiing | Superior Snowshoe | Superior View Hike | **Evening Activities** | Astronomy | Block Printing | Creative Expressions | Creature from Wolf Lake | Dream Catchers | Lake Superior Game | Night Hike | Ol Pellets | Paper Making Star Lab | Woodland Art | Volleyball | **Naturalist Programs** | Bats | Fur Trade | History of the North Shore | Logging Camp Life | Raptors | Frozen Beans | Animals |
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| **Strand I. Mathematical Reasoning** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Sub-stran** | **Standard** | **Benchmark** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | Apply skills of mathematical representations, communication and reasoning throughout the remaining four content strands. | 1. Assess the reasonableness of a solution by comparing the solution to appropriate graphical or numberical estimates or by recognizing the feasibility of a solution in a given context. | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Strand: V. Spatial Sense, Geometry and Measurement** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Sub-stran** | **Standard** | **Benchmark** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A. Spatial Sense | Recognize the relationship between different representations of two- and three-dimensional shapes. Understand the effect of various transformations. | 1. Recognize a view of a three-dimensional shape, given a view from a different orientation. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 2. Use visual representations of transformations such as reflections, rotations, translations and change of scale in one and two dimensions to solve real-world and mathematical problems. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |