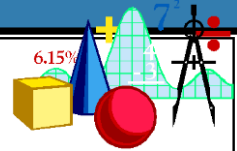Mathematics, Geometry
Unit VII: Lesson 3   Model: **Lilliputian School**

Research the history of the transit, plane table, alidade, angle mirror, and hypsometer. Design a simple model of one of these tools and use it to solve a problem of indirect measurement.

Measure the height of campus buildings, water towers, flag poles, and tall trees. Also find the dimensions of your campus indirectly.

Construct a three-dimensional model of your school. Label each building and/or classroom so your model can be a directory of your campus. Display the model (and measurement tool, if possible) at a prominent place for visitors to your school.