# LEARNING PLAN 6th Grade

## Exploratory Activities
Find a length on your body that measures:
- 1 centimeter; 1 inch; 1 foot
Unit of Measurement (Activity Sheet)

## Concept Development Activities
- Measurement in the Middle Grades “How Good is Your Estimate? “ Activity 1
- Measurement in the Middle Grades “Estimate and Measure Game” Activity 2 or Proportionality-Centimeters to Inches
- Proportionality –Lost and Gained
- Measurement in the Middle Grades “Metric Models and Projects” Activity 8

## Materials and Resources
- Measuring tape or ruler
- NCTM Addenda Series: Measurement in the Middle Grades
- Texteam: Proportionality

## Basic Facts and Standard Algorithms Formalized
- Passport
  - 3.2 pp. 116-119
- Scale Drawing p. 121
- Units in the U.S. Customary Systems p. 327

## Assessment
- Middle Grades Assessment (Pkg. 2): “ Task 4 “Grocery Store

## Originality and Creativity

### Student Products

#### Written
Use what you know about shadows to find the height of a flagpole, a tall tree, or a building. Write instructions for how your group determined the measurement.

#### Verbal
Tell a friend how to determine the height of a flagpole, tall tree or a building using what you know about similar figures and shadows.

#### Kinesthetic
Cut a piece of string as long as your partner is tall. Estimate your heights in cm and ft. Measure the string and compare to your prediction.

#### Visual
Trace a picture of your favorite cartoon character on cm grid paper. Using what you know about scale factor, draw the figure 3 times its size on another piece of grid paper.

## Related TEKS

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