

About the Mathematics in This Unit (page 1 of 2)

Dear Family,

Growth Patterns

Our class is starting a new mathematics unit called *Growth Patterns.* The focus of this unit is patterns and functions. In this unit, students learn about situations that involve change and ways to mathematically describe and represent this change. They use tables, graphs, and equations to represent how one quantity (such as height) changes in relation to another quantity (such as age). Students also compare situations with different rates of change.

BENCHMARKS/GOALS EXAMPLES Create tables The rule for Penny Jar A is: to represent Start with 6 pennies and add 4 pennies each round. the relationship 3 rounds Total between two \times 4 pennies per round Round Number variables. Number 12 pennies of Pennies + 6 pennies from the start 18 total pennies after 6 Start round 3 10 1 2 14 3 18 4 22 ? 10 A How many pennies will be in the jar after the 10th round? (continued)

Throughout the unit, students will be working toward these goals:

