Unit 4 Summary

Time Frame: 15 days

The children will explore shapes in their environment and learn that large shapes can be created from smaller shapes. They will learn graphing as a way to organize and interpret information, and use positional words to express the location of objects. The children will be introduced to greater than, less than, and equal through coin recognition (penny, nickel, and dime) and by creating and comparing sets. Unit 4 also focuses on the use of ten-frames as a strategy for solving story problems and equations, and for practicing one-to-one correspondence.

Essential Questions

(K.CC.C.6) How can we tell that one group has more than, less than, or the same amount as another group?

(K.CC.C.6) How can we use a ten-frame to compare numbers?

(K.OA.A.1) What happens when we combine groups and what happens when we take groups apart?

(K.G.A.1) How are shapes important, how are they used in our environment, and how can we tell where they are?

(K.G.B.6) How can building shapes help us better to understand the characteristics of a shape?

(Starfall.M.1) How can knowing the name and value of coins help us in the real world?

(Starfall.MD.2) How can we use graphs to understand information and answer questions?

Enduring Understandings

Shapes help us make sense of our environment.

We collect and use data to help us answer questions and make decisions.

Sets of objects can be grouped and counted so that we can compare them in terms of greater than, less than, and equal to.

The quantity of things can be represented in a variety of ways (e.g. Money).

Adding is putting groups together and making more; subtracting is taking groups apart and making less.
**Vocabulary**

The children will be introduced to these vocabulary words. Mastery is not expected at this time.

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<td>Beside</td>
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<td>Dime</td>
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**Recommended Literature**

*Museum Shapes* by The (NY) Metropolitan Museum of Art

*Shape* by David Goodman

*The Greedy Triangle* by Marilyn Burns and Gordon Silveria

*Round Is a Tortilla: A Book of Shapes* by Roseanne Greenfield Thong and John Parra

*Pennies* (Welcome Books: Money Matters) by Mary Hill

*Nickels* (Welcome Books: Money Matters) by Mary Hill

*Dimes* (Welcome Books: Money Matters) by Mary Hill

*A Chair for My Mother* by Vera B. Williams