**Pattern - Shape Hunt in the Garden Betty Darleen Horton**

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**Pre K – 1**

**NGSS: Interdependent Relationships in Ecosystems: Animals, Plants and Their Environment**

***Crosscutting Concept: Patterns in the natural and human designed world can be observed and used as evidence. K-LS1-1***

**Pre-assessment: Can students recognize basic shapes and patterns in the garden or garden area?**

* **Invite students to gather briefly for directions in the garden. The center is a great place to meet as is the front or back of the garden area.**
* **Ask students to describe shapes they know. (square, circle, triangle, rectangle, diamond…)**
* **Explain that they will go on a shape hunt in the garden with a friend. Remind them to look at the garden boxes or beds….the walkways…. and so on. In five minutes (or until the shadow touches the string on the sundial), they will look for shapes in the garden. At a pre-set signal, they will quickly return to the starting place.**
* **Next, they will find two more friends (a group of 4) and look for shapes that are in a pattern in the garden. Example: the hay bales bordering one side of the garden walkway; or the arrangement of the garden beds. Again, at the signal they will rejoin the group.**
* **Teams will share out what they discovered.**
* **As a formative assessment activity, the leader/leaders will guide the students on a shape-pattern walk through the gardens, pointing out various examples.**

**Post assessment: How many shapes and or patterns did students find in the garden or garden area?**

**Science, Math, Art**