**Project Butterfly**

Kindergarten connected Science standards:

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| SC.K.L.14.3 | Observe plants and animals, describe how they are alike and how they are different in the way they look and in the things they do.Students will see how butterflies are different then themselves. Students will discuss the differences with peers and the teacher. |
| SC.K.P.9.1 | Matter can undergo a variety of changes. Matter can be changed physically or chemically.Students will see, video and coloring sheet, the change that occurs to create a butterfly.  |
| SC.K.P.9. Pa.1 | Recognizing a change in an object.Students will notice how the pasta itself looks different in shape and color. As well as see how the shapes are used to create something new. |
| SC.K.N.1.1 | Collaborate with a partner to collect information.Through the conversation that students will have with the teacher and with one another. |
| SC.K.N.1.Su.1 | Collect a designated item with a partner. Through students help one another create their own pasta butterfly. |
| SC.K.N.1. Pa.1 | Share object with a partner.This will be done by the communication and sharing of supplies between students. |

Kindergarten connected to Visual Art standards:

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| VA.K.S.3.1 | Develop skills and techniques to create with two- and/or three- dimensional media.Students will create an abstract, three-dimensional image of a butterfly. |
| VA.K.S.O.3.1 | Create works of art to document experiences of self and community.The artwork that students make will be an expression of self and their creativity.  |

Power Point – Butterflies in Florida

Activity: Butterfly Life Cycle

Supplies:

* Access to a computer and a screen to share with class/students ([video](https://www.youtube.com/watch?v=O1S8WzwLPlM))
* Butterfly Life Cycle Coloring Page
* Food coloring or watercolors (liquid)
* Uncooked pasta
	+ Farfalle (bow tie)
		- butterfly
	+ Rotini (tube)
		- caterpillar
	+ Conchiglie (shell)
		- Chrysalis

Teacher Instructions: Preparation before lesson

1. Place each type of pasta in their own plastic bag.
2. Add a splash of different food coloring or watercolors to each bag, and shake.
	1. You can separate the pasta more to create even more colored pasta.
3. When at the color is the level you want, lay the colored pasta out on paper towels to dry.
4. Mix all the pastas together, separate out in several bowl, and let the kids go at it.

Questions during activity (this can be done in table groups or with a shoulder buddy etc.)

1. What pasta represents the first stage in the butterfly life cycle?
	1. What happens during that stage?
2. What pasta represents the second stage in the butterfly life cycle?
	1. What happens during that stage?
3. What pasta represents the third stage in the butterfly life cycle?
	1. What happens during that stage?
4. What do you think is the most challenging stage?
5. How can this be related to us as humans/people?
6. How are we different?
7. How are we alike?