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| **Teacher: Ms. Meadows** |
| **Date: March 25, 2015** |
| **Subject: Literacy & Science**  |
| **Lesson 1:**  **What is an Engineer?** |
| **Desired Results** | **Lesson Overview:***In this lesson students will gain an understanding of what it means to think like an engineer, as well as understanding the importance of shelter and how animals and their surroundings change in the spring.*  |
| **NGSS Standards:**

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| **K-2-ETS1-** | Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool. |

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| **Essential Question(s):*** How can we create a more improved birdhouse?
* Is your birdhouse functional?
* Does your creation resemble your sketch?
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| **Lesson Objective(s):***In this activity students use the design process to create a new and unique birdhouse for the upcoming spring season using the materials provided.*  |
| **Plan**  | **Materials:*** Materials for birdhouses
* Picture of a birdhouse
* Poster of the design process
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| **Vocabulary:*** Engineer
* Habitat
* Improve
* shelter
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| **EXPLORE (10 min): 10:10-10:15 a.m.*** Review sketches of unique birdhouses and begin to plan their building strategy.
* Have students go to their seats and start exploring with the materials.
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|  | **EVALUATE (10 min): 10:15-10:30 (11:30-12:00)*** Allow the students, time to create and work through any struggles with the materials.
* Ask students questions to guide their building…making sure that their birdhouse is effective and durable.
* Once the students have created their birdhouses, have them observe them and make any improvements to it if they would like.
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| **Assessment Evidence** | **EVALUATION of Evidence*** Observe and determine if students are able to create a new and improved birdhouse using the design process.
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