

## Transitional Kindergarten Science Checklist

### Motion and Stability- Forces and Interactions

- I can compare how pushing and pulling on an object makes it move. I can talk about how moving the object in different directions changes the way that it moves. I can talk about how pushing or pulling an object softer or harder changes the way that it moves
- I can show different ways to change the speed or direction of an object with a push or pull. I can tell you if what I did to make the object move worked correctly or not.

### Energy

- I can compare the differences between soil, sand, rocks, and water that have been in the sunlight, and soil, sand, rocks, and water that have not been in the sunlight. I can talk about the comparisons that I have made.
- I can create structures that will shield areas from the warmth of the sun. I can talk about why I think they will work.

### From Molecules to Organisms- Structures and Processes

- I can compare the similar things that plants need to survive. I can compare the similar things that animals need to survive. I can talk about what plants and animals need to survive

### Earth's Systems

- I can observe the weather and tell you if it is sunny, cloudy, rainy, warm, or cold. I can keep track of how the weather changes at different times of the day. I can keep track of how the weather changes during the month. I can talk about what I have observed.
- I can observe how plants and animals can change their environments to meet their needs. I can form ideas about how plants and animals can change their environments to meet their needs. I can give reasons for my ideas.

### Earth and Human Activity

- I can show how the needs of different plants and animals change where they can live.
- I can ask questions to learn more about the weather. I can tell why knowing about the weather is important. I can give examples about how to prepare for and respond to bad weather where I live.
- I can talk about ways that humans can change the way that they live so that they do not hurt the land, water, air, and/or other living things in the world.

### Engineering Design

- I can find out about simple problems that people that I know want to change and figure out how to solve them. I can talk about how the problem can be fixed. I can talk about the solution that I have created and why it will help to solve the problem.
- I can create a drawing that shows how the shape of an object makes it work the way it is supposed to work.
- I can compare two objects that were made to solve the same problem and talk about the strengths and weakness of both objects.