

Transitional Kindergarten Science Checklist

- I can begin to indicate knowledge of body parts and their processes (e.g., eating, sleeping, breathing, walking) in people and animals.
- I can tell you that objects and materials change and describe the changes in objects and materials (rearrangement of parts; change in color, shape, texture, temperature).
- I can observe and describe the motion and effect of objects (speed, direction, the ways things move, pushing, pulling, rolling, dropping).
- I can identify characteristics of a variety of animals and plants, including appearance (inside and outside) and behavior, and begin to categorize them.
- I can recognize that animals and plants require care and begin to associate feeding and watering with the growth of humans, animals, and plants.
- I can notice and describe changes in the weather.
- I can notice the effects of weather and seasonal changes in my life and on plants and animals.
- I can observe and describe natural objects in the sky (sun, moon, stars, clouds) and how they appear to move and change.
- I can identify the habitats of people and familiar animals and plants in the environment and begin to realize that living things have habitats in different environments.
- I can see and explain the difference between animate objects (animals, people) and inanimate objects. For example, expect animate objects to initiate movement and to have different insides than inanimate objects.
- I can make observations and use measurement tools.
- I can compare and contrast objects and events and describe similarities and differences.
- I can make predictions and discuss them with others.
- I can conduct a simple experiment and use evidence to draw conclusions.
- I can use pictures, words, charts, journals, models, and photos to record my observations.
- I can share findings and explanations, which may be correct or incorrect, with or without adult prompting.
- I can observe, investigate, and identify the characteristics and physical properties of objects and solid and nonsolid materials (size, weight, shape, color, texture, and sound).
- I can understand that objects and materials can change, explore and describe changes in objects and materials (rearrangement of parts; change in color, shape, texture, temperature).
- I can observe and describe the motion of objects (in terms of speed, direction, the ways things move), and explore the effect of my own actions (e.g., pushing, pulling, rolling, dropping) on making objects move.
- I can discuss in simple terms how to care for the environment and participate in activities related to its care.
- I can describe objects using my senses.
- I can measure objects with simple measuring devices.
- I can describe the sources of heat, light, and electricity.
- I can compare and discuss the characteristics (size, weight, shape, color, texture) of earth materials such as sand, rocks, soil, water and air.