

SCIENCE CONCEPT PLANNER

Experience*Experiment with catching air in bags and the movement of streamers in front of a fan

Standard: Demonstrate cooperative behaviors and fairness in social interactions

Developmental Domain: Cognitive, Social

Experience*Observational drawings of four types of clouds and use them to predict weather

Standard: With modeling and support, recognize familiar elements of the natural environment and understand that these may change over time

Developmental Domain: Cognitive

Experience*Predict weather based on pictures of clouds

Standard: Make inferences, generalizations and explanations based on evidence

Developmental Domain: Cognitive

Experience*Assemble airplanes, flags, or kite to explore movement of air by using the engineering process

Standard: Carry out tasks, activities, projects or experiences from beginning to end, Use creative and flexible thinking to solve problems, Coordinate the use of hands, fingers and wrists to manipulate objects and perform tasks requiring precise movements

Developmental Domain: Fine motor, cognitive

Concept

Wind

Concept

Clouds

Experience*Make fog in a glass jar with a strainer, water, and ice

Standard: Engage in extended, reciprocal conversations with familiar adults

Developmental Domain: Cognitive

Experience*blow air on a metal spoon

Standard: Use simple tools to extend investigation

Developmental Domain: Cognitive

Experience*use a thermometer to explore temperature in hot, cold, and warm water

Standard: Identify whether the number of objects in one group is greater than, less than, or equal to the number of objects in another group up to 10

Developmental Domain: Cognitive

Concept

Temperature

Concept

Precipitation

Experience*pour water in cups, mark water line, and observe over time

Standard: Explore objects, materials and events in the environment

Developmental Domain: Cognitive

Experience*graph the number of warm, cold, cool, and hot days we have by using the weather documentation they have collected

Standard: Describe and compare objects using measureable attributes

Developmental Domain: Cognitive

Experience*put various items on black and white paper and predict which items will melt faster

Standard: With modeling and support, explore the properties of objects and materials

Developmental Domain: Cognitive

Experience*draw and label precipitation, evaporation, and condensation using a model

Standard: With modeling and support, determine the meanings of unknown words/concepts using the context of conversations

Developmental Domain: Language

