

Beginning Botanist

Science Process Skills

Science Process Skills	Lesson #1	Lesson #2	Lesson #3	Lesson #4
Observing				
Identifies object properties	●	●	●	●
Uses senses to observe concrete, familiar objects	●	●	●	●
Differentiates between models and the real thing			●	●
Uses measurement tools to record observations				
Uses tools to observe objects or events	●	●	●	
Describing				
Describes key attributes of objects			●	●
Creates drawings or models depicting objects			●	
Describes changes in objects	●		●	
Discusses changes in variables that affect an investigation	●			
Categorizing				
Notices similarities and differences	●	●	●	●
Sorts objects into groups using one attribute at a time				●
Establishes own sorting criteria	●			●
Sorts objects using multiple attributes				●
Provides reasoning for grouping objects				●
Predicting				
Verbalizes thinking	●		●	●
Recognizes and extends patterns				
Makes simple predictions	●	●	●	
Makes predictions based on observations	●		●	
Uses estimation to make quantitative predictions				
Experimenting				
Investigates models of objects/phenomena			●	
Manipulates materials	●	●	●	●
Identifies factors that might affect the outcome of an experiment			●	
Participates in collecting data				●
Interprets data using symbols or graphs				
Performs trial-and-error investigations	●			
Drawing Conclusions				
Makes verbal interpretations of observations	●	●	●	
Finds patterns from data collected				
Connects findings from an investigation				