SCIENCE AND MATH CONCEPTS

Knowledge/Content Recall and understand	Process Thinking How we understand content	Communication Convey content and process thinking
Science—study of natural world Life Sciences—living things Physical Sciences—physical properties of objects Earth & Space Sciences—earth environment, weather, solar system Use of Tools—uses tools and technology to perform tasks and to investigate Math—Measurement, Quantity, Relationships Numbers and Operations Characteristics, Classification, Patterns Geometry and Spatial Relationships Comparison and Measurement Time and Sequence	 Observing and investigating Exploring How things work Different perspectives Questioning Wondering Predicting/Hypothesizing Noticing cause and effect Experimenting Collecting data Analyzing data Drawing conclusions Estimating Comparing/contrasting Sequencing Noticing, continuing, making patterns Problem solving Thinking creatively Making connections Exploring different perspectives 	Includes both adults modeling the behaviors and children using the behaviors Using non-verbal and verbal language Saying what observed Saying what happened Explaining reasoning Sharing/reporting discoveries, ideas, challenges, conclusions Asking for help Asking open-ended questions Using science and math vocabulary Using process thinking vocabulary Representing including drawings, pictures, photos, charts Learning collaboratively