



Primarily Logic

Provided by:

Iowa State University Extension
and Outreach, Scott County
875 Tanglefoot Lane
Bettendorf, Iowa 52722
563-359-7577
www.extension.iastate.edu/scott

Information	Program Description
Kindergarten-5th Grade	"Primarily Logic" focuses on several different aspects of critical thinking and problem solving. Students will use various components of logic to solve puzzles both on paper and in large group activities.
Curriculum Format	Each lesson can be presented in 45-60 minutes. Teaching Guide with complete instructions is provided. Teaching Kit with materials needed to present lessons is provided. User may need to provide standard classroom supplies (pencils, scissors, glue). If a lesson requires perishable items (e.g. milk), user

Lesson	Overview
One: Finding Relationships	Students will be able to define and learn how to identify different kinds of relationships between objects, words, and pictures.
Two: Analogies	Students will define the word "analogy" as well as work on various introductory analogy puzzles.
Three: Deductive Reasoning	Students will be able to conclude what belongs and what does not belong within a puzzle, while also learning how to work as a group to create a card castle.
Four: Critical Analysis & Problem Solving	Students will create a "Connect the Dots" picture using only their imagination and a partner's page of dots. Students will also work on critical thinking skills by trying to solve various activity sheets.
Five: Group Solutions	Students will spend the entire activity in groups, working together to put together a puzzle, read clues carefully to figure out what picture they are looking for, and to form lines of bears according to the instructions given.
Six: Sudoku	Students will be challenged to solve Easy, Medium and Hard Sudoku puzzles, in an effort to master critical thinking and logic skills.

This institution is an equal opportunity provider. For the full non-discrimination statement or accommodation inquiries, go to www.extension.iastate.edu/diversity/ext.