

# 2011 – 2012 Curriculum Guide for Seventh Grade Introductory Logic

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## Organization and Content

This one-semester introductory course in deductive logic is intended to help seventh grade students learn the fundamentals of the science and art of reasoning well. The three laws of thought are introduced the first day, and then are expounded for the rest of the semester in five units.

- The Laws of Thought
  - The Law of the Excluded Middle
  - The Law of Identity
  - The Law of Non-contradiction
- Unit One: Terms and Definition
  - The purposes and types of definitions
  - Genus and species
  - Extension and intension
  - Methods of defining
  - Rules for defining by genus and species
- Unit Two: Statements and Their Relationships
  - Statements
  - Self-supporting statements
  - Supported statements
  - Relationships between statements
  - Consistency and disagreement
  - The one basic verb
  - Standard categorical statements
  - The square of opposition
  - Contradiction
  - Contrariety
  - Subcontrariety
  - Subimplication
  - Superimplication
- Syllogisms and Validity
  - Arguments
  - The syllogism
  - The mood of the syllogism
  - The figure of the syllogism
  - Truth and validity
  - Testing syllogisms by counterexample
  - Distributed terms
  - Testing syllogisms by rules

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- Arguments in Normal English
  - Immediate inferences
  - Translating ordinary statements
  - Translating inclusive and exclusive statements
  - Enthymemes
  - Hypothetical syllogisms
  - Establishing conclusions
- Informal Fallacies
  - Fallacies of distraction
  - Fallacies of ambiguity
  - Fallacies of form
  - Detecting fallacies

### Assessments

- Homework is assigned each day
- Quizzes and tests will be administered routinely
- A comprehensive final examination will be administered the last week of the semester

### Textbook

- *Introductory Logic for Christian and Home Schools* by James B. Nance and Douglas Wilson. Moscow, ID: Canon, 2006.