

# Depth of Knowledge Levels

Norman Webb's Depth of Knowledge (DoK) Levels is a useful tool for understanding rigor of the content and tasks we present students. DoK labels academic work according to the complexity of thinking required to successfully complete them. STEMscopes math fully integrates with DoK to help you naturally transition students from Level 1 to Level 4, expanding their thinking and deepening their knowledge and skills.

## DoK Level 1 (Recall)

*Focuses on facts, details, definitions, and procedures with one correct answer.*

### Lesson Elements

- Skills Quiz
- Picture Vocabulary
- Observation Checklist
- Skill Basics
- Supplemental Aids
- Fact Fluency
- Math Chat
- Facilitation Questions

## DoK Level 2 (Skill/Concept)

*Focuses on applying skills and concepts in addition to answer how or why with one correct answer.*

### Lesson Elements

- Standards-Based Assessment
- Connection Station
- Show What You Know
- Spiraled Review
- Math Story
- Interactive Practice
- Fluency Builder
- Small Group Intervention
- Daily Numeracy
- Math Chat
- Facilitation Questions

## DoK Level 3 (Strategic thinking)

*Focuses on reasoning, planning, and defending conclusions where complex/abstract thinking may be necessary and multiple answers/approaches may exist.*

### Lesson Elements

- Anchor Chart
- Interactive Notebook
- My Math Thoughts
- Show-and-Tell
- Hook
- Explore
- APK
- Foundation Builder
- Daily Numeracy
- Math Chat
- Facilitation Questions

## DoK Level 4 (Extended Thinking)

*Focuses on real-world applications in new situations where complex reasoning and planning are necessary; often is time intensive and multistep.*

### Lesson Elements

- Create Your Own
- Decide and Defend
- Life/Career Connections
- Problem Based Task
- Math Today
- Math Chat
- Facilitation Questions

