

# National Education Standards and *Curious George*

The following national engineering, math, and science standards are supported by the *Curious George Discovery Guide*.

## Engineering

*Source: Standards for Technological Literacy, International Technology Education Association*

**Standard 8.** Students will develop an understanding of the attributes of design.

**K–2 Benchmarks:** Everyone can design solutions to a problem. Design is a creative process.

**Standard 9.** Students will develop an understanding of engineering design.

**K–2 Benchmarks:** The engineering process includes identifying a problem, looking for ideas, developing solutions, and sharing solutions with others. Expressing ideas to others verbally and through sketches and models is an important part of the design process.

**Standard 10.** Students will develop an understanding of the role of troubleshooting, research and development, invention and innovation, and experimentation in problem solving.

**K–2 Benchmarks:** Asking questions and making observations helps a person to figure out how things work. All products are subject to failure. Many products, however, can be fixed.

**Standard 11.** Students will develop the abilities to apply the design process.

**K–2 Benchmarks:** Brainstorm people’s needs and wants and pick some problems that can be solved through the design process. Build an object using the design process.

## Math

*Source: Standards for Pre-K–Grade 2, National Council of Teachers of Mathematics*

### Number and Operations

Count with understanding and recognize “how many” in sets of objects, connect numerals to the quantities they represent

### Algebra

Sort, classify, and order objects

### Geometry

Recognize, name, build and compare three-dimensional shapes; investigate and predict the results of putting together three-dimensional shapes

### Measurement

Compare and order objects according to attributes of length; understand how to measure using nonstandard units; use tools to measure

### Data Analysis and Probability

Pose questions and gather data about selves and surroundings; sort and classify objects according to their attributes; represent data using concrete objects, pictures, and graphs

### Problem Solving

Solve problems that arise in mathematics and in other contexts

### Communication

Communicate mathematical thinking coherently and clearly to peers, teachers, and others

## Science

*Source: National Science Education Standards developed by the National Academy of Science*

As a result of activities in grades K-4, all students should develop abilities necessary to do scientific inquiry.

Specifically, they should develop the ability to:

- Ask a question about objects, organisms, and events in the environment.
- Plan and conduct a simple investigation.
- Employ simple equipment and tools to gather data and extend the senses.
- Use data to construct a reasonable explanation.
- Communicate investigations and explanations.



# Curious George Episode Finder

Use this guide to find *Curious George* episodes to go with the engineering, math, and science topics your class is exploring.

## Engineering

### Building and Design

101B: Curious George's Home for Pigeons  
104A: Curious George, Stain Remover  
122A: Keep Out Cows  
123B: Curious George and the Dam Builders  
124B: The All-Animal Recycled Band  
127B: Curious George and the One That Got Away  
129A: Charkie Escapes

### Properties of Materials

110A: Curious George, a Peeling Monkey  
116B: Animal Magnetism  
122B: The Clean, Perfect Yellow Hat  
124B: The All-Animal Recycled Band

### Rolling and Sliding

104A: Curious George, Stain Remover  
106A: Roller Monkey  
120A: Curious George Takes a Vacation  
121B: Ski Monkey  
128A: George Fixes Betsy's Wagon

### Tools

107A: Curious George on Time  
114A: Doctor Monkey  
117B: Curious George the Architect  
118A: Curious George, Rescue Monkey  
120A: Curious George Takes a Vacation  
125B: Curious George Rides a Bike  
130A: Camping with Hundley

## Math

### Grouping and Patterns

106B: Curious George, Dog Counter  
108B: Curious George, Door Monkey  
113A: Candy Counter  
117A: Curious George Sees the Light  
120B: The Times of Sand

### Numbers and Counting

101A: Zeroes to Donuts  
102A: Curious George's Bunny Hunt  
109B: Out of Order  
110B: Curious George, Station Master  
116A: Curious George Sees Stars  
119A: Curious George's Low High Score  
125A: George Makes a Stand  
128B: Surprise Quints

### Measuring and Describing Position

111A: From Scratch  
111B: Zoo Night  
112A: Curious George vs. the Turbo Python 3000  
126B: George the Grocer

## Science

### Light and Shadows

103B: Curious George Takes Another Job  
114B: Curious George in the Dark

### Living Things

102A: Curious George's Bunny Hunt  
105B: Squirrel for a Day  
107B: Curious George Discovers the 'Poles  
114A: Doctor Monkey  
119B: Bee Is for Bear  
121A: Housebound!  
124A: Curious George Takes a Dive  
127A: Being Hundley  
130B: Curious George and the Missing Piece

### Mixtures and Solutions

103A: Curious George Takes a Job  
115B: The Truth about George Burgers  
129B: Muddy Monkey

### Sound

104B: Curious George Finds His Way  
112B: Curious George and the Invisible Sound  
114A: Doctor Monkey  
126A: The Elephant Upstairs

### Water and Ice

105A: Curious George Goes up the River  
108A: Buoy Wonder  
113B: Curious George Gets a Trophy  
118B: Water to Ducks  
123A: Curious George vs. Winter

### Wind, Air, and Space

102B: Curious George Flies a Kite  
109A: Curious George's Rocket Ride  
129B: Muddy Monkey

# Resources

## Taping *Curious George* Episodes

Educators have permission to tape *Curious George* episodes off-air and share them with children for up to one year. To find out what episodes will be airing this week on your local PBS station, [click here](#).

## *Curious George* Picture Books

Enjoy the classic *Curious George* books by Margret and H.A. Rey as well as new picture books that accompany the television episodes. Many of these books are in libraries and bookstores. The following books retell the episodes featured in this guide and will be available January 2007.

- *Curious George Builds a Home* (accompanies *Curious George's Home for Pigeons*)
- *Curious George: The Dog Show* (accompanies *Curious George, Dog Counter*)
- *Curious George: The Kite* (accompanies *Curious George Flies a Kite*)



## *Curious George* DVDs

DVDs of the TV Series episodes featured in this guide will be available in 2007 from Universal Studios Home Entertainment.

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Visit the *Curious George* Web site  
at [pbskids.org/curiousgeorge](http://pbskids.org/curiousgeorge) for more  
engineering, math, and science fun.

