

Supporting and Articulating Curriculum Standards

Science, Naturally's trade books are the perfect way to expand and enhance your classroom curriculum. Our books correlate to the math and science standards set out by the Center for Education at the National Academies. Here is detailed information on which standards are specifically supported in these books and how these books support the national curriculum standards.

Titles include:

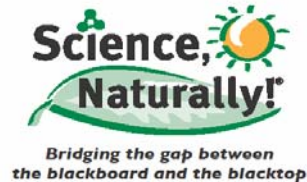
[*One Minute Mysteries: 65 Short Mysteries You Solve with Science!*](#)
[*One Minute Mysteries: 65 Short Mysteries You Solve With Math!*](#)
[*101 Things Everyone Should Know About Science*](#)
[*101 Things Everyone Should Know About Math*](#)
[*If My Mom Were a Platypus: Mammal Babies and Their Mothers*](#)

All science curriculum standards were identified by Joan Wagner.

Joan Wagner is the Director of Focus on Learning, a science education consulting firm, as well as a former president of the Science Teachers Association of New York State. She provides professional development for K-12 science teachers. Joan is also an author of four science books and numerous articles for national, state and regional journals and newsletters. She can be reached at Joan@ScienceNaturally.com.

All math curriculum standards were identified by Ali Tribley.

Ali Tribley graduated from SUNY Plattsburgh with a double major in Mathematics and Education. Her first job was teaching students ages 16-24 at the Hubert H. Humphrey Job Corps in St. Paul, MN. She then moved to teaching 8th and 9th grade math in Minnesota, then New York public schools. She currently teaches 7th grade math and a 7th grade honors class that integrates science, math and technology. She can be reached at Ali@ScienceNaturally.com.



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One Minute Mysteries: 65 Short Mysteries You Solve with Science!
Summary of National Science Education Standards

To facilitate the identification of the standards addressed by each mystery, a code number has been assigned to each standard.

Below is a summary of the standards with their identifying code. For a more detailed description of each standard, go to: http://www.nap.edu/openbook.php?record_id=4962.

Science as Inquiry (I) Standards, K-8

The inquiry standards address the following benchmarks:

- Understanding of scientific concepts
- An appreciation of how we know what we know in science
- Understanding of the nature of science

1I: Abilities necessary to do scientific inquiry

2I: Understanding about scientific inquiry

Physical Science (PS) Standards, K-4

1PS: Properties of objects and materials

2PS: Position and motion of objects

3PS: Light, heat, electricity and magnetism

4PS: Properties and changes of properties of matter

5PS: Motions and forces

6PS: Transfer of energy

Life Science (LS) Standards, K-8

1LS: Characteristics of organisms

2LS: Life cycles of organisms

3LS: Organisms and environments

4LS: Structure and function in living systems

5LS: Reproduction and heredity

6LS: Regulation and behavior

7LS: Population and ecosystems

8LS: Diversity and adaptations of organisms

Earth and Space Science (ES) Standards, K-8

1ES: Properties of earth materials

2ES: Objects in the sky

3ES: Changes in earth and sky

4ES: Structure of the earth system

5ES: Earth's history

6ES: Earth in the solar system

Science and Technology (TS) Standards, K-8

1TS: Abilities of technological design

2TS: Understanding science and technology

3TS: Abilities to distinguish between natural objects and objects made by humans

Science in Personal and Social Perspectives (PSPS) Standards, K-8

1PSPS: Personal health

2PSPS: Characteristics of and changes in populations

3PSPS: Types of resources

4PSPS: Changes in environment

5PSPS: Science and technology in local challenges

6PSPS: Populations, resources and environments

7PSPS: Natural hazards

8PSPS: Risks and benefits

9PSPS: Science and technology in society

History and Nature of Science (HNS) Standards

1HNS: Science as a human endeavor

2HNS: Nature of science

3HNS: History of science

Guide to Content (G) Standards

1G: Systems, order and organization

2G: Evidence, models and explanation

3G: Constancy, change and measurement

One Minute Mysteries: 65 Short Mysteries You Solve with Science!
Articulation of National Science Education Standards

Not your ordinary mystery book, *One Minute Mysteries* makes science fun! These short mysteries have a clever twist—you have to tap into your science wisdom to solve them! Each story, just one minute long, challenges your knowledge in earth, space, life, physical, chemical, and general science. Try your hand at dozens of science mysteries (with solutions included) that will keep you entertained—and eager to learn more!

The format of this book addresses both inquiry science and the nature of science. These standards permeate all of the mysteries presented in this book. In addition, there is considerable articulation of the content standards. Since this book encompasses both elementary and intermediate standards, they are all listed together under a K-8 heading.

Life Science section

Classified Information: 1I, 1LS, 8LS

Food for Thought: 3HNS, 5ES

Bear Scare: 2I, 8LS

The Horse's Fodder: 1LS, 8LS, 7LS

Left in the Dark: 8LS

Bugged by an Assignment: 7LS

It's in the Blood: 8LS

Seed of an Idea: 7LS

Shell Game: 3LS, 8LS

A Question of Identity: 1LS

Turning Over a New Leaf: 1LS, 8LS

The Pupil and the Pupae: 2LS

A Fishy Solution: 4LS, 6PSPS

A Fair Contest: 7LS

Hair Style: 1I, 2I, 1LS

Earth and Space Science section

Cloudy on the Concept: 2I, 3ES

Shadow of a Doubt: 3ES

Freeze Fall: 4PS, 4ES

Time for a Change: 3ES, 6ES

Stars in Their Eyes: 6ES

Rain or Shine: 4ES

Space Ship-Shape: 6ES

Sight at Night: 6ES

In Hot Water: 1PSPS

Sands of Time: 3ES

Falling Foliage: 3ES

The Best-Laid Planets: 2 ES

That Snow Problem: 6ES

Battle of the Bulge: 4PS, 4ES

Taking Directions: 3PS, 3ES

Physical and Chemical Science section

Grass Stained: 4PS
Faded Memory: 4PS
Taken with a Grain of Salt: 4PS
Double Dealing: 3PS
Cabin Fever: 6PS
Pumpkin Patch: 4PS
Thirst for Knowledge: 4PS
Gem Jam: 3PS
Hearing Aide: 2PS, 6PS
Too Hot to Handle: 6PS
Storm Warning: 3PS
Fingering the Culprit: 6PS
Slow Burn: 4PS
It Works Like Magic: 4PS
Hide and Seek: 4PS

General Science section

Needing a Lift: 5PS
Water, Water Everywhere: 6PS
Shocking Surprise: 3PS
Stuck with the Mud: 5PS
Valentine Vexation: 1PS
Language Barrier: 3G
Powerful Argument: 6PS, 1TS
Nothing to Sneeze At: 1PSPS
Lights Out: 3PS, 6PS
Salad Days: 4PS
Bird Watching: 4PS
Raked Over the Coals: 2G
Picture This: 2G, 7LS
Weight Debate: 3G
Alarming Situation: 1TS

Bonus Section

Water on the Brain: 1I
Pointing Out the Facts: 3PS
Thrown a Curve: 5PS
The Long Run: 5PS
Occupational Hazards: 9PSPS

101 Things Everyone Should Know About Science
Summary of the National Science Education Standards

Why do you see lightning before you hear thunder? What keeps the planets orbiting around the sun? Why do we put salt on roads when they are icy? What metal is a liquid at room temperature? And the burning question: Why do so many scientists wear white lab coats? Science affects everything—yet so many of us wish we understood it better. Using an accessible question-and-answer approach, *101 Things Everyone Should Know About Science* expands a reader's knowledge, whether they are 8 or 108.

The National Science Education standards are addressed in the book's explanations of each question posed. Science as a human endeavor and the history of science are two standards that are particularly highlighted. Showing children the human nature of science supports an understanding of science as an evolving discipline subject to changes based on new observations and discoveries.

The standards noted below are a compilation of both the K-4 & 5-8 standards, since this book is recommended for ages 8-12.

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Life Science (LS) Standards, K-8 (cont')

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7LS: Population and ecosystems

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3HNS: History of science

Guide to Content (G) Standards

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3G: Constancy, change and measurement

101 Things Everyone Should Know About Science
Articulation of National Science Education Standards

BIOLOGY QUESTIONS

- 1) 1LS
- 2) 8LS
- 3) 1LS
- 4) 1LS
- 5) 1LS
- 6) 6LS
- 7) 1LS
- 8) 1LS
- 9) 2LS
- 10) 1HNS; 7LS
- 11) 5LS
- 12) 1LS
- 13) 1LS
- 14) 7LS
- 15) 4LS
- 16) 4LS
- 17) 6LS
- 18) 6LS
- 19) 1PSPS; 1HNS
- 20) 1PSPS; 1LS
- 21) 6PSPS
- 22) 1PSPS; 9PSPS

CHEMISTRY QUESTIONS

- 23) 4PS
- 24) 4PS
- 25) 4PS
- 26) 4PS
- 27) 3HNS; 4PS
- 28) 4PS
- 29) 4PS
- 30) 4LS; 6LS; 1PSPS
- 31) 4PS
- 32) 3PS; 1PSPS
- 33) 3HNS; 4PS
- 34) 4PS
- 35) 4PS
- 36) 4PS
- 37) 4PS
- 38) 3HNS; 3PSPS
- 39) 4PS

- 40) 4PS
- 41) 3HNS; 4PS; 9PSPS
- 42) 3HNS, 9PSPS; 4PS
- 43) 4PS; 9PSPS
- 44) 4PS; 9PSPS
- 45) 4PS

PHYSICS QUESTIONS

- 46) 2PS
- 47) 5PS
- 48) 3HNS; 6PS
- 49) 4PS
- 50) 3HNS
- 51) 6ES; 3PS; 5PS
- 52) 6ES
- 53) 3PS
- 54) 9PSPS
- 55) 3HNS; 6PS
- 56) 5PS
- 57) 9PSPS; 3PS; 6PS, 5PSPS
- 58) 9PSPS; 6PS
- 59) 3PS
- 60) 2TS; 1TS; 3PS
- 61) 1TS; 3PS
- 62) 5PS; 6PS
- 63) 1PS; 5PS; 2TS
- 64) 3HNS; 1I; 4PS
- 65) 6PS
- 66) 4PS; 5PS
- 67) 6PS

EARTH SCIENCE QUESTIONS

- 68) 1ES; 3PS
- 69) 6ES
- 70) 2ES; 6ES
- 71) 2ES
- 72) 6ES; 2ES
- 73) 4ES
- 74) 6ES
- 75) 4ES
- 76) 3G
- 77) 3HNS; 6ES; 3G

- 78) 4ES
- 79) 4PSPS; 4ES
- 80) 4ES
- 81) 4ES; 6PSPS
- 82) 6ES
- 83) 3ES; 6ES
- 84) 4ES
- 85) 9PSPS
- 86) 3PS; 7PSPS
- 87) 1ES; 4ES
- 88) 3ES; 3PS
- 89) 3ES; 7PSPS
- 90) 3HNS; 3G; 7PSPS; 9PSPS

GENERAL SCIENCE QUESTIONS

- 91) 1HNS
- 92) 2I
- 93) 3G
- 94) 3G
- 95) 3G
- 96) 1I; 2I
- 97) 8PSPS
- 98) 1I; 2I
- 99) 1I; 2I
- 100) 1HNS; 3HNS; 9PSPS
- 101) 1HNS; 3HNS

BONUS QUESTIONS

BIOLOGY: 1LS; 3G

PHYSICS: 3G

CHEMISTRY: 4PS

EARTH SCIENCE: 6PSPS

GENERAL SCIENCE: 2ES; 6ES

If My Mom Were a Platypus: Mammal Babies and Their Mothers
Summary and Articulation of National Science Education Standards

This book highlights the diversity of mammal life showing how they reproduce, and grow into adults. Children can compare and contrast how these mammals develop and survive into adulthood. They should see how these forms of life are connected to one another and provide evidence for evolution, a unifying theme in the Living Environment.

The following standards are specifically supported in this book. Since the age group includes both intermediate and elementary levels, both sets of standards for the Living Environment are included. All standards are taken from the National Science Education Standards (NSES) developed by the National Research Council (NRC), first published in 1996.

Content Standards for grades K-4:

The Characteristics of Organisms

Organisms have basic needs. For example, animals need air, water, and food; plants require air, water, nutrients, and light. Organisms can survive only in environments in which their needs can be met. The world has many different environments, and distinct environments support the life of different types of organisms.

Each plant or animal has different structures that serve different functions in growth, survival and reproduction. For example, humans have distinct body structures for walking, holding, seeing and talking.

The behavior of individual organisms is influenced by internal cues (such as hunger) and by external cues (such as a change in the environment). Humans and other organisms have senses that help them detect internal and external cues.

Life Cycles of Organisms

Plants and animals have life cycles that include being born, developing into adults, reproducing and eventually dying. The details of this life cycle are different for different organisms.

Organisms and Their Environment

All animals depend on plants. Some animals eat plants for food. Other animals eat animals that eat the plants.

Content Standards for grades 5-8:

Reproduction

Reproduction is a characteristic of all living systems; because no individual organism lives forever, reproduction is essential to the continuation of every species.

Regulation and Behavior

All organisms must be able to obtain and use resources, grow, reproduce and maintain stable internal conditions while living in a constantly changing external environment.

An organism's behavior evolves through adaptation to its environment. How a species moves, obtains food, reproduces, and responds to danger is based in the species' evolutionary history.

Diversity and Adaptation of Organisms

Biological evolution accounts for the diversity of species developed through gradual processes over many generations. Species acquire many of their unique characteristics through biological adaptation, which involves the selection of naturally occurring variations in populations. Biological adaptations include changes in structures, behaviors, or physiology that enhance survival and reproductive success in a particular environment.

101 Things Everyone Should Know About Math
One Minute Mysteries: 65 Short Mysteries You Solve With Math!

Summary of National Mathematics Education Standards

Below is a summary of the five content standards as well as their corresponding goals. The standards indicate what is expected of students in grades 6–8, while the corresponding goals indicate what students should acquire from prekindergarten through grade 12.

Each of the goals and standards are listed with identifying codes. For a more detailed description of each standard go to:

<http://standards.nctm.org/document/chapter6/numb.htm>

Following this summary of standards is a list of the *101 Things Everyone Should Know About Math* problems and their associated standards, denoted by their identifying code. The goals and standards are both listed with identifying codes.

Numbers and Operations

Goal N1: The Number and Operations standards states that Instructional programs for prekindergarten through grade 12 should enable all students to: understand numbers, ways of representing numbers, relationships among numbers, and number systems.

Standard N1:

- Work flexibly with fractions, decimals, and percents to solve problems;
- compare and order fractions, decimals, and percents efficiently and find their approximate locations on a number line;
- develop meaning for percents greater than 100 and less than 1;
- understand and use ratios and proportions to represent quantitative relationships;
- develop an understanding of large numbers and recognize and appropriately use exponential, scientific, and calculator notation;
- use factors, multiples, prime factorization, and relatively prime numbers to solve problems;
- develop meaning for integers and represent and compare quantities with them.

Goal N2: Understand meanings of operations and how they relate to one another.

- Understand the meaning and effects of arithmetic operations with fractions, decimals, and integers;
- use the associative and commutative properties of addition and multiplication and the distributive property of multiplication over addition to simplify computations with integers, fractions, and decimals;
- understand and use the inverse relationships of addition and subtraction, multiplication and division, and squaring and finding square roots to simplify computations and solve problems.

Standard N2:

Goal N3: Compute fluently and make reasonable estimates.

Standard N3:

- Select appropriate methods and tools for computing with fractions and decimals from among mental computation, estimation, calculators or computers, and paper and pencil, depending on the situation, and apply the selected methods;
- develop and analyze algorithms for computing with fractions, decimals, and integers and develop fluency in their use;
- develop and use strategies to estimate the results of rational-number computations and judge the reasonableness of the results;
- develop, analyze, and explain methods for solving problems involving proportions, such as scaling and finding equivalent ratios.

Algebra

Goal A1: Understand patterns, relations, and functions.

Standard A1:

- Represent, analyze, and generalize a variety of patterns with tables, graphs, words, and, when possible, symbolic rules;
- relate and compare different forms of representation for a relationship;
- identify functions as linear or nonlinear and contrast their properties from tables, graphs, or equations.

Goal A2: Represent and analyze mathematical situations and structures using algebraic symbols.

Standard A2:

- Develop an initial conceptual understanding of different uses of variables;
- explore relationships between symbolic expressions and graphs of lines, paying particular attention to the meaning of intercept and slope;
- use symbolic algebra to represent situations and to solve problems, especially those that involve linear relationships;
- recognize and generate equivalent forms for simple algebraic expressions and solve linear equations

Goal A3: Use mathematical models to represent and understand quantitative relationships.

Standard A3:

- Model and solve contextualized problems using various representations, such as graphs, tables, and equations.

Goal A4: Analyze change in various contexts

Standard A4:

- Use graphs to analyze the nature of changes in quantities in linear relationships.

Geometry

Goal G1: Analyze characteristics and properties of two- and three-dimensional geometric shapes and develop mathematical arguments about geometric relationships.

Standard G1:

- Precisely describe, classify, and understand relationships among types of two- and three-dimensional objects using their defining properties;
- understand relationships among the angles, side lengths, perimeters, areas, and volumes of similar objects;
- create and critique inductive and deductive arguments concerning geometric ideas and relationships, such as congruence, similarity, and the Pythagorean relationship.

Goal G2: Specify locations and describe spatial relationships using coordinate geometry and other representational systems.

Standard G2:

- Use coordinate geometry to represent and examine the properties of geometric shapes;
- use coordinate geometry to examine special geometric shapes, such as regular polygons or those with pairs of parallel or perpendicular sides.

Goal G3: Apply transformations and use symmetry to analyze mathematical situations.

Standard G3:

- Describe sizes, positions, and orientations of shapes under informal transformations such as flips, turns, slides, and scaling;
- examine the congruence, similarity, and line or rotational symmetry of objects using transformations.

Goal G4: Use visualization, spatial reasoning, and geometric modeling to solve problems.

Standard G4:

- Draw geometric objects with specified properties, such as side lengths or angle measures;
- use two-dimensional representations of three-dimensional objects to visualize and solve problems such as those involving surface area and volume;
- use visual tools such as networks to represent and solve problems;
- use geometric models to represent and explain numerical and algebraic relationships;
- recognize and apply geometric ideas and relationships in areas outside the mathematics classroom, such as art, science, and everyday life.

Measurement

Goal M1: Understand measurable attributes of objects and the units, systems, and processes of measurement.

Standard M1:

- Understand both metric and customary systems of measurement;
- understand relationships among units and convert from one unit to another within the same system;
- understand, select, and use units of appropriate size and type to measure angles, perimeter, area, surface area, and volume.

Goal M2: Apply appropriate techniques, tools, and formulas to determine measurements.

Standard M2:

- Use common benchmarks to select appropriate methods for estimating measurements;
- select and apply techniques and tools to accurately find length, area, volume, and angle measures to appropriate levels of precision;
- develop and use formulas to determine the circumference of circles and the area of triangles, parallelograms, trapezoids, and circles and develop strategies to find the area of more-complex shapes;
- develop strategies to determine the surface area and volume of selected prisms, pyramids, and cylinders;
- solve problems involving scale factors, using ratio and proportion;
- solve simple problems involving rates and derived measurements for such attributes as velocity and density.

Data Analysis and Probability

Goal D1: Formulate questions that can be addressed with data and collect, organize, and display relevant data to answer them.

Standard D1:

- Formulate questions, design studies, and collect data about a characteristic shared by two populations or different characteristics within one population;
- select, create, and use appropriate graphical representations of data, including histograms, box plots, and scatter plots.

Goal D2: Select and use appropriate statistical methods to analyze data.

Standard D2:

- Find, use, and interpret measures of center and spread, including mean and interquartile range;
- discuss and understand the correspondence between data sets and their graphical representations, especially histograms, stem-and-leaf plots, box plots, and scatter plots.

Goal D3: Develop and evaluate inferences and predictions that are based on data.

Standard D3:

- Use observations about differences between two or more samples to make conjectures about the populations from which the samples were taken;
- make conjectures about possible relationships between two characteristics of a sample on the basis of scatter plots of the data and approximate lines of fit;
- use conjectures to formulate new questions and plan new studies to answer them.

Goal D4: Understand and apply basic concepts of probability.

Standards D4:

- Understand and use appropriate terminology to describe complementary and mutually exclusive events;
- use proportionality and a basic understanding of probability to make and test conjectures about the results of experiments and simulations;

compute probabilities for simple compound events, using such methods as organized lists, tree diagrams, and area models.

One Minute Mysteries: 65 Short Mysteries You Solve With Math!
Articulation of National Mathematics Education Standards

Math at Home

1. Heavy Toll: N2
2. Roll of the Dice: D4
3. Pancake Mix-Up: M1, N1
4. In Hot Water: N2, M2
5. Flooring Them: N2, M2
6. Compounding His Interest: N2, N3
7. Setting the Date: N1, N2
8. Corralling the Problem: G1
9. It's a Gas: N2
10. Cover Up: G1, M1
11. Cereal Numbers: N2
12. Toss-Up: D4
13. Seeing the Light: M1
14. All Wound Up: N2
15. Getting the Point: A2, A3

Math Outside

16. Tall Tale: N1, N2
17. Raking their Brains: M1, N3, G1
18. A Measured Response: N2, N3
19. Lawn Ranger: M1, N1, N2
20. Don't Fence Me In: G1, N2
21. Slow Boat: A2, N1
22. Stepping Up to the Challenge: G1, N2
23. Getting a Lift: N2
24. Shoe on the Other Foot: M1
25. The Hole Truth: M1, M2, N1, N2
26. In the Deep End: G1
27. A Ton of Trouble: M1, N2
28. Go Take a Hike: N2
29. Chute in the Works: N1, N2
30. How Much Wood?: N1, N2

Math at Play

31. Jumping Through Hoops: M2, N2, M1
32. Ace of Clubs: N2, M1, N1
33. A Slice of Life: N1, N2
34. A Perfect 10: N1, N2, D2
35. Cutting Corners: G1, G4
36. Net Result: D2, N2, M1
37. Capture the Difference: M1, M2, N1
38. Way to Go: M1, N1
39. Hit Parade: D2, N1, N2
40. Miniature Math: M1, M2, N1
41. Calling Long Distance: M1, N2
42. Luck of the Draw: N1, D4
43. Head Over Heels: N1, N2
44. Batter Up: D2, N2
45. Doing Swimmingly: N1, N2

Math Every Day

46. Rows and Columns: N3, M2
47. Sweet Solution: M2
48. Driving Them Crazy: M1, N2
49. Cold-Blooded Calculations: M1, M2, N1
50. Ups and Downs: M1, M2, N1
51. Yuck Around the Clock: M1, M2
52. Mixing It Up: M1, M2
53. String Theory: M1, M2, N1, N2
54. Product Placement: N1, N3
55. Coupon Rate: N2, N3
56. Turning Up the Volume: M1, M2
57. Down to the Last Drop: M1, N2
58. A Fan of Keeping Cool: N1, M1
59. Overdue Blues: N1, N2
60. Paper Chase: M1, N1, N2

Bonus Section: Five More Minutes of Mysterious Math!

1. Ice Cream, Anyone?: D4, N2
2. Puttin' on the Hits: M1, N2
3. And They Call This a Fair?: M1, M2
4. Cold as Ice: M1, N1, N2
5. A Switch in Time: N2

101 Things Everyone Should Know About Math
Articulation of National Mathematics Education Standards

Facts, Just Math Facts

1. Easy as Pi: G1
2. Hip to be Squared: N2
3. A Prime Number: N1
4. Following Orders: N2
5. Given the Choice: N2
6. You Know the Drill: N2, M1
7. Find it Fast: N2
8. Facts and Figures: M1, M4
9. Name that Polygon: M1
10. Polygon Area: M2
11. Polygon Area, the Sequel: M2
12. Show Me a Postcard: M2
13. The Great Pumpkins: M1
14. Over the Moon: D1
15. Father of Algebra: G4
16. Proof Positive: A2, N2

Health, Food & Nutrition

17. Pi and Pie: N1, N3
18. Smart Cookie: N1, M1
19. Half-Baked: M1, N1, N2
20. Tin Pan Tally: G1, M2
21. Marshmallow Treats: M1, M2
22. Putting on the Zits: N1, D4
23. Cricket Calories: N2
24. Going Buggy: N2
25. Pizza Combo: D4
26. Pizza Combo Part 2: D4
27. Dough Boy: N1, M1
28. Sugar and Spice: N1, M1
29. Hard Pill to Swallow: N1
30. Worth the Weight: M1, M2, N1, N2, N3

Travel Questions

31. Dim Bulb Racing: G1
32. Zoning Out: G1, N2
33. Instantaneous Travel: N2
34. Flying to Florida: N2
35. Ticket to Ride: A3, N1, N2
36. There and Back Again: N1, N3
37. Get Me to School on Time!: A2, A3, N2
38. Going the Extra Mileage: N1, N2, N3, M2

39. Sprockets: N2, D4
40. Moon Landing: N1, G1, M2
41. June Bugs: N1, N2
42. Around the World: N1, N2, G1, G4

Recreation and Sports Questions

43. Steve, Steve, Steve, Mary and Steve: N1, D4
44. Team Player: N1, D4
45. Round Robin: A3, N2
46. Batting Average: N2
47. Play Ball!: N2, A3
48. Cracking the Lock: D4
49. Slam Dunk: N2
50. Super Sprinter: M1, N1, N3, A2
51. Perfect Scores: N1
52. Tennis, Anyone?: N3, G3, A2
53. Triple Doubles: D4

Economics Questions

54. Scrimp and Save: A2, N1, N2
55. A Good Investment: A1, A2, A3, N2
56. Realty Check: D1, D2
57. Examining eCommerce: N1, N2
58. Chuck the Woodchuck: N1
59. DVD Deals: N1
60. Peanut Whiz Kid: N2, N3
61. We All Scream for Ice Cream: N2, M1
62. Here's a Tip: N1, N2
63. Buying Tires: M2
64. Calling Card: N2
65. Interesting Interest: N2, N3, A3
66. Gauging a Mortgage: N2, A3
67. Where Credit is Due: A3, N1, N2
68. Goody Goody Gumballs: N2
69. Kabibbleberry Jam: A1, A3

Nature, Music & Art Questions

70. Nanoseconds: N1
71. The Symmetry of Shapes: G3
72. Abby's Birthday: N2, A1, A3
73. Scale Model: A3, N1
74. Bubba the Flying Squirrel: N1, N3
75. Naked Mole Rats: N3, N2, D2
76. Terrific Tessellation: G1, G3, G4
77. Map Quest: A3, D1
78. Patching Things Up: N2
79. Tag, You're it: N2

80. Speed of Sound: A2, A3, A4
81. Make a Pitch: A1, A2, A3
82. Tuning Up: A3, N1, N2
83. Musical Mathematicians: G4
84. Shapely Structures: G1, G4
85. The Big Chill: A1, A3
86. Watch for Falling Rocks: A3, N1, N2, N3
87. Shaking Things Up: N2
88. Around the Sun: N1, N2
89. Seeing the Light: A3

Miscellaneous Questions

90. Cave Paper: G1, G4, N2
91. Cave Paper Continued: N1, N2, G1
92. Pet Pen: N1, G1, A2
93. Weather or Not: A2, A3, M1
94. Temperature Crossover: A2, A3, A4, M1
95. Flip a Coin: D4
96. Betting on the Square: N2, A3
97. Covering All the Bases: N2
98. Exceptional Student Combinations: D4, N2
99. Too Much Tunafish: D4
100. Electoral College: A3

Bonus Questions

1. Monthly Lunch: N1, A3
2. Freedom the Frog: A1, A2, A3
3. Counting in Binary: A1, N2
4. Road Trip: A3
5. Funny Bunnies: G4

