

Magic School Bus Science

IN 180 Days



180 Days of Science Fun
for Kindergarten, 1st, and
2nd Grade Students

ABOUT THESE PRINTABLES

Magic School Bus Science in 180 Days

The *Magic School Bus Science in 180 Days* is a compilation of all Magic School Bus episodes, Magic School Bus Activities and Experiments (found on their website), supplemental activities and crafts, and a list of highly rated books that support each topic being discussed. The curriculum is divided into 13 units covering space, plants, energy, animals, the human body, and more. This is an excellent curriculum for those wanting to provide their students with an overview of all types of science and experience Magic School Bus experiments on a budget.

Special Notes:

- Several of these activities are geared for the classroom setting, but can easily be adapted to a smaller family or homeschool setting.
- *The Magic School Bus* does NOT support the new earth or creation view of science. While most episodes do not oppose this belief necessarily, a few episodes such as the one on dinosaurs, may want to be previewed or skipped depending on your belief in how you approach the time period subject in science.
- Most experiments and activities use items you can find in most kitchens and classrooms. However, you may want to check the supply list (found on each activity and experiment description) before beginning a new unit just to make sure you have all the items needed on hand.
- The book recommendations are not mandatory but incorporating at least some living books into your studies is encouraged. Selections include both fiction and non-fiction choices.

Want to do less than 180 days? All the activities with the asterisks are non-Magic School Bus reinforcement activities. You may want to start by eliminating those or you can just pick and choose which activities you'd like to use in each unit to complete the days desired. The choice is up to you.

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CREDIT

Should you use and blog about the use of these lesson plans, please provide a link back to CornerstoneConfessions.Com. It would also be lovely if you would let me know so I can thank you! Besides, I'd love to see how these lesson plans have blessed you.

QUESTIONS?

If you have any questions please feel free to contact me at Kathy@cornerstoneconfessions.com. You can also visit my blog at <http://cornerstoneconfessions.com>.

I pray that these lesson plans will bless your family and help them grow in wisdom and stature and favor with God and man (Luke 2:52). If you have any preschoolers I also highly encourage you to check out my [Encompass Preschool Curriculum](#) which guides little ones hearts, minds, and bodies to grow into all that God wants them to be. God bless!



Magic School Bus Science in 180 Days

180 Days of Science Fun for Kindergarten, 1st, and 2nd Grade Students

Unit 1: Space

Episode 101: Gets Lost in Space

Topic: Solar System

1. Watch episode.
2. [Bus Coloring Page](#)
3. [Discover the Planets Activity](#) (Note: this activity was created BEFORE Pluto was discovered to NOT be a planet)
4. [Space Chase Computer Game](#)

Episode 407: Sees Stars

Topic: Stars

5. Watch episode.
6. [Race to the Moon Experiment](#)
7. [Shine On Activity](#)
8. [Create Constellation Viewers*](#)

Episode 211: Out of This World

Topic: Space Rocks

9. Watch episode.
10. [Making Craters Activity](#)
11. [What on Earth?! Computer Quiz](#)

Episode 408: Gains Weight

Topic: Gravity

12. Watch episode
13. [Meteorite Beach Experiment](#)
14. [What a Downer Activity](#)
15. [Wacky Water! Experiment](#)

Recommended Books for Unit 1 Reinforcement:

- Gravity by Chin
- Liftoff! By Bredeson
- Little Bear by Minarik
- Moon Book by Gibbons
- Round Trip by Jonas
- Sunshine, Moonshine by Armstrong

- The Magic School Bus: Lost in Solar Space by Cole and Degen
- The Magic School Bus: Sees Stars by Cole and Degen
- The Magic School Bus: Space Explorers by Cole and Degen
- The Moon by Chrismer
- The Moon Shines Down by Brown
- The Sun by Chrismer
- There's No Place Like Space by Rabe
- What the Moon is Like by Branley
- What's Out There? by Wilson
- Who Likes the Sun by Kaner

Unit 2: Forces and the Weather

Episode 110: Plays Ball

Topic: Forces/Friction

16. Watch episode.
17. [Friction Action Activity](#)
18. [Suspend Metal in Mid-air Experiment](#)
19. [Clickety-Clack Experiment](#)

Episode 404: Goes on Air

Topic: Air Pressure

20. Watch episode.
21. [Pushy Air Activity](#)

Episode 113: Kicks Up a Storm

Topic: Weather

22. Watch episode.
23. Watch this [weather field trip](#).
24. [Wind Spiral Activity](#)
25. [Adventures of WeatherLizard Computer Game](#)
26. [Make Rain Indoors Experiment](#)
27. [Tiny Tornado Experiment](#)

Episode 307: Makes a Rainbow

Topic: Color

28. Watch episode.
29. [Color Mixer Activity](#)
30. [Make a Rainbow Experiment](#)
31. [Make colorful flowers or celery using food coloring.*](#)

Recommended Books for Unit 2 Reinforcement:

- A Rainbow of My Own by Freeman
- All the Colors of the Rainbow by Fowler
- Cloudy with a Chance of Meatballs by Barrett
- Forces Make Things Move by Bradley and Meisel
- Freddy the Frogcaster by Dean
- Move It! by Mason
- Oh Say Can You Say What's the Weather Today? by Rabe
- Planting a Rainbow by Ehler
- The Magic School Bus and the Climate Change by Cole and Degen
- The Magic School Bus Inside a Hurricane by Cole and Degen
- The Magic School Bus Kicks Up a Storm by Cole and Degen
- The Magic School Bus: Twister Trouble by Cole and Degen
- Thundercake by Polacco
- Weather Forecasting by Gibbons

Unit 3: Energy

Episode 210: Getting Energized

Topic: Energy

32. Watch episode.
33. [Pinwheel Power Activity](#)

Episode 410: Gets Charged

Topic: Electricity

34. Watch episode.
35. [Make the Flow Go Activity](#)

Episode 305: Get a Bright Idea

Topic: Light

36. Watch episode.
37. [Bounce the Light Activity](#)

Episode 302: In the Artic

Topic: Heat

38. Watch episode.
39. [Inspiration of Insulation Activity](#)

Recommended Books for Unit 3 Reinforcement:

- Charged Up by Bailey
- Energy Makes Things Happen by Bradley and Meisel
- On a Beam of Light by Berne

- Switch On, Switch Off by Bradley and Meisel
- The Magic School Bus and the Electric Field Trip by Cole and Degen
- The Magic School in the Artic by Cole and Degen

Unit 4: Machines and Buildings

Episode 208: Revving Up

Topic: Engines

40. Watch episode.
41. [The Great Balloon Race Activity](#)

Episode 411: Gets Programs

Topic: Computers

42. Watch episode.
43. [Take a look inside your computer.*](#)
44. [Watch how kids react to old computers.*](#)

Episode 304: Under Construction

Topic: Structures

45. Watch episode.
46. [Gumdrop Bridge Activity](#)
47. [Pulleys Please Experiment](#)

Recommended Books for Unit 4 Reinforcement:

- Bridges by Johmann
- Car Science by Hammond
- Get in Gear by Fisch
- Look at That Building by Ritchie
- The History of the Computer by Raum
- The Little Engine That Could by Piper

Unit 5: In the Home

Episode 109: Gets Ready, Set, and Dough

Topic: Kitchen Chemistry

48. Watch episode.
49. [Pretzel Chemistry Activity](#)

Episode 313: Family Holiday Special

Topic: Recycling

50. Watch episode.

51. [Back to Basics Activity](#)
52. [Recycle This Computer Game*](#)

Recommended Books for Unit 5 Reinforcement:

- Amazing Kitchen Chemistry Experiments You Can Build Yourself by Brown
- Recycle Every Day! by Wallace
- Recycle! by Gibbons
- Science Experiments You Can Eat by Cobb
- The Junkyard Wonders by Polacco
- The Science Chef by D'Amico
- Where Do Recyclable Materials Go? by Persad
- Where Does Garbage Go? by Showers and Chewing

Unit 6: The Human Body

Episode 202: Flexes Its Muscles

Topic: The Human Body

53. Watch episode.
54. [Give Me a Hand Activity](#)
55. [Human Body Computer Quiz](#)
56. [Honey-comb Bones Experiment](#)

Episode 309: Works Out

Topic: Circulation

57. Watch episode.
58. [You Gotta Have a Heart Activity](#)

Episode 102: For Lunch

Topic: Digestion

59. Watch episode.
60. [Who Put the Pop in Pop? Experiment](#)
61. [Food Crushers Activity](#)

Episode 406: Goes Cellular

Topic: Cells

62. Watch episode.
63. [Make a Yeast Feast Activity](#)

Episode 401: Meet Molly Cule

Topic: Molecules

64. Watch episode.

65. [Matchmaker, Matchmaker Activity](#)
66. [Bubble Fun! Experiment](#)

Episode 108: In the Haunted House

Topic: Sound

67. Watch episode.
68. [Seein' with Sound Activity](#)
69. [Gets an Earful Computer Game](#)

Episode 409: Makes a Stink

Topic: Smell

70. Watch episode.
71. [Odor Detectives Activity](#)

Episode 103: Inside Ralphie

Topic: Germs

72. Watch episode.
73. [Fantastic Fingerprints Experiment](#)
74. [Capillaries in Action Experiment](#)
75. Taste test. Provide several items for taste testing. Ask: Which is sweet, sour, bitter or salty?
Examples: Sugar, lemon, pickle, salt.*
76. [Skin to Germs Activity](#)

Recommended Books for Unit 6 Reinforcement:

- A Germ's Journey by Rooke
- Bones: Skeletons and How They Work by Jenkins
- Colors of Us by Katz
- From Head to Toe by Carle
- Germs are Not for Sharing by Verdick
- Germs Make Me Sick! by Berger
- Good Thing You're Not an Octopus by Markes
- Inside Your Outside by Rabe
- Like Pickle Juice on a Cookie by Sternberg
- Little Bunny Follows His Nose by Howard
- Look at Your Eyes by Showers
- My Five Senses by Alik
- Polar Bear, Polar Bear, What Do You Hear? by Martin
- See Inside Your Body by Daynes and King
- Smell by Rius
- Sounds All Around by Pfeffer
- The Gas We Pass: The Story of Farts by Cho

- The Little Molecule by Nicholas
- The Magic School Bus Explores the Senses by Cole and Degen
- The Magic School Bus Inside Ralphie by Cole and Degen
- The Magic School Bus Inside the Human Body by Cole and Degen
- The Magic School Bus: The Giant Germ by Cole and Degen
- The World Inside Us: The Land of Digestion by Moniz
- What Happens to a Hamburger? by Showers
- Who's Making That Smell by Hawthorn

Unit 7: Animals, Reptiles, and Birds

Episode 412: In the City

Topic: Zoo Animals

77. Watch episode.
78. [Walk on the Wild Side Activity](#)
79. [Animals Computer Quiz](#)
80. [Mirror, Mirror on the Wall Experiment](#)
81. [Paper Bag Zebra Craft*](#)
82. [Make a Tiger Mask*](#)
83. [Make a Paper Plate Giraffe*](#)
84. Classify (group) plastic animals by water, land or air animals. And then group animals by farm, pet, and zoo animals.*

Episode 204: Going Batty

Topic: Bats

85. Watch episode.
86. [Seeing with Sound Activity](#)

Episode 212: Cold Feet

Topic: Reptiles

87. Watch episode.
88. [Make a Paperplate Turtle*](#)
89. [Lizard Life Activity](#)

Episode 402: Cracks a Yolk

Topic: Eggs

90. Watch episode.
91. [The Inside Eggs-pose Activity](#)
92. [The Incredible Egg Experiment](#)

Episode 209: Taking Flight

Topic: Flight

93. Watch episode.
94. [Fall, Floating, Gliding Activity](#)
95. [Flying Bus Coloring Page](#)
96. [Tweet! Tweet! Tweet! Experiment](#)

Episode 104: Gets Eaten

Topic: Food Chain

97. Watch episode.
98. [Popcorn Chain Activity](#)

Recommended Books for Unit 4 Reinforcement:

- A Sick Day for Amos McGee by Stead
- Animal Strike at the Zoo: It's True! by Wilson
- Animals Should Definitely Not Wear Clothing by Barrett
- Ape Escapes! by Newman
- Bats at the Library by Lies
- Bats by Carney
- Bats by Gibbons
- Birds by Henkes
- Birds, Nests, and Eggs by Boring
- Ducks Don't Get Wet by Goldin
- Elephants by Marsh
- Emperor Lays an Egg by Guberson
- Fine Feathered Friends by Rabe
- Giraffe and the Pelly and Me by Dahl
- Grandma Elephant's in Charge by Jenkins
- If I Ran the Zoo by Seuss
- If You Were a Penguin by Minor
- Inch by Inch by Lionni
- Katy No Pocket by Payne
- Marsupial Sue by Lithgow
- Miles and Miles of Reptiles by Rabe
- Mouse and Mole, Fine Feathered Friends by Herbert
- National Geographic Readers: Lizards by Marsh
- Nest Full of Eggs by Jenkins
- Oliver by Hoff
- On Beyond Zebra! by Seuss
- Scarecrow's Hat by Brown
- The Magic School Bus: Gets Eaten by Cole and Degen
- The Owl and the Woodpecker by Wildsmith
- Tigers by Marsh

- To Be a Chimpanzee by Kratt
- Turtle Crossing by Chrustowski
- What's New at the Zoo? by Slade
- Wild Reptiles by Kratt

Unit 8: Dinosaurs, Fossils and Archeology

Episode 203: The Busasaurus

Topic: Dinosaurs

99. Watch episode.
100. [What are Fossils? Activity](#)
101. [Fossil Fun! Experiment](#)
102. Watch the [Dinosaur News](#)
103. [Dinosaurs Computer Quiz](#)
104. [Dinosaur Coloring Page](#)

Episode 306: Shows and Tells

Topic: Archeology

105. Watch episode.
106. [Shoebox Dig Experiment](#)
107. [Artifact Detectives Activity](#)
108. [Archeology Computer Quiz](#)

Recommended Books for Unit 8 Reinforcement:

- Dinosaur Train by Gurney
- Dinosaurumpus by Mitton
- Fossils Tell of Long Ago by Alike
- How Do Dinosaurs Eat Their Food by Yolen
- How to Dig a Hole to the Other Side of the World by McMitty
- If the Dinosaurs Came Back by Most
- The Dog That Dug for Dinosaurs by Redmond
- The Magic School Bus: Search for the Missing Bones
- What Really Happened to the Dinosaurs? by Ham

Unit 9: Bugs

Episode 112: Gets Ants in Its Pants

Topic: Ants

109. Watch episode.
110. Start an ant farm.*
111. [Be Observ-ANT Activity](#)
112. [Insects Computer Quiz](#)

113. [Take an Ant to Lunch Experiment](#)

Episode 205: Butterfly and the Bog Beast

Topic: Butterflies

114. Watch Episode
115. [Tricky Butterflies Activity](#)
116. [Chromatography Butterfly Craft*](#)
117. [Make an Origami Butterfly*](#)
118. [Butterfly Bus Coloring Page](#)
119. [Balloon Paint Caterpillars*](#)
120. Watch *A Bug's Life**

Episode 301: In the Beehive

Topic: Bees

121. Watch episode.
122. [The Honey Bee-Bop Activity](#)
123. [A Better Way to Battle Beetles Experiment](#)
124. [Make a toilet paper roll bee.*](#)

Episode 303: Spins a Web

Topic: Spiders

125. Watch episode.
126. [Tap into a Trapper Activity](#)
127. Watch *Charlotte's Web.**

Recommended Books for Unit 9 Reinforcement:

- A Butterfly is Patient by Aston
- A Story, A Story by Haley
- Anansi the Spider by Harcourt Publishers
- Ant and Honeybee by McDonald
- Ant Cities by Dorros
- Are You a Bee? by Allen and Humphries
- Are You a Spider by Allen
- Bugs are Insects by Rockwell
- Butterfly House by Bunting
- Caterpillar to Butterfly by Marsh
- From Caterpillar to Butterfly by Heiligman
- Gotta Go! Gotta Go! by Swope
- How to Hide a Butterfly and Other Insects by Heller
- Hurry and the Monarch by Flatharta
- Insect Detective by Voake

- My, Oh My--A Butterfly! By Rabe
- Spiders by Gibbons
- The Bee Tree by Polacco
- The Bugliest Bug by Shields
- The Magic School Bus: Inside the Beehive by Cole and Degen
- The Very Hungry Caterpillar by Carle
- Very Greedy Bee by Smallman
- Waiting for Wings by Ehlert
- Where Butterflies Grow by Ryder

Unit 10: Water and Sea Life

Episode 206: Wet All Over

Topic: Water Cycle

128. Watch episode.
129. [The Water Cycle Activity](#)
130. [Aqua Vision Experiment](#)

Episode 213: Ups and Downs

Topic: Sinking and Floating

131. Watch episode.
132. [How Boats Float Activity](#)

Episode 403: Goes to Mussel Beach

Topic: Tidal Zones

133. Watch episode.
134. [Life in the Intertidal Zone Activity](#)
135. [Marine Life Computer Quiz](#)

Episode 413: Takes a Dive

Topic: Coral Reefs

136. Watch episode.
137. [Seashells by the Seashore Experiment](#)
138. [Tied Together Activity](#)
139. Watch *Finding Nemo**

Episode 308: Goes Upstream

Topic: Salmon Migration

140. Watch episode.
141. [Journey Home Wheel Activity](#)
142. Watch *Under the Sea 3D**

Recommended Books for Unit 10 Reinforcement:

- A House for Hermit Crab by Carle
- A King Salmon Journey by Miller
- An Octopus is Amazing by Lauber
- Clouds by Rockwell and Lessac
- Dolphins and Sharks by Osborne
- Dolphins at Daybreak by Osborne
- Down Comes the Rain by Branley and Hale
- Follow Me! by Roberts
- Gleam and Glow by Bunting
- Let's Try It Out in Water by Simon
- No More Water in the Tub by Arnold
- Octopuses by Cazet
- Octopuses by Hirshi
- Rainbow Fish by Pfisher
- Shark Lady by McGovern
- Splash! By Jonas
- Swimmy by Lionni
- The Magic School Bus at the Water Works by Cole and Degen
- The Magic School Bus Goes Upstream by Cole and Degen
- The Magic School Bus on the Ocean Floor by Cole and Degen
- The Magic School Bus: Wild Whale Watch by Cole and Degen
- Water by Ditchfield
- Water Voices by Speed

Unit 11: Rocks and Volcanos

Episode 312: Rocks and Rolls

Topic: Water Erosion

143. Watch episode.
144. [Rock Shard Puzzle Experiment](#)
145. [Get Eroded! Activity](#)
146. [Make a stone hot pad.](#)*
147. [Icebox Erosion Experiment](#)
148. [Grow Your Own Crystal Candy](#)

Episode 201: Blows Its Top

Topic: Volcanos

149. Watch episode.
150. [Eruption Activity](#)
151. [Blows Its Top Computer Game](#)
152. [Eruptions of Color! Experiment](#)

Recommended Books for Unit 11 Reinforcement:

- Everything Rocks and Minerals by Tomecek
- Hill of Fire by Lewis
- I Love Rocks by Miester
- If You Find a Rock by Christian and Lember
- Let's Go Rock Collecting by Gans and Keller
- Pebble! A Story About Belonging by Milord
- Rocks in His Head by Hurst
- Stone Soup by Brown
- The Magic School Bus Blows Its Top
- The Magic School Bus Inside the Earth
- Vacation Under the Volcano by Osborne
- Volcanoes by Schrieber

Unit 12: Habitats

Episode 105: Hops Home

Topic: Animal Habitats

153. Watch episode.
154. [Make an origami frog.](#)*
155. [Earth Worm-ery Activity.](#)
156. [The Green Habitat Match-up Computer Game](#)

Episode 107: All Dried Up

Topic: Deserts

157. Watch episode.
158. [Create a sand art project.](#)*
159. [Where's the Water? Activity](#)

Episode 405: Gets Swamped

Topic: The Wetlands

160. Watch episode.
161. [Settle Down Activity](#)

Episode 311: In the Rainforest

Topic: Rainforests

162. Watch episode.
163. [The Big Picture Activity](#)
164. [Make a terrarium.](#)*
165. [Where Will the Bus Take You? Computer Game](#)
166. Watch *The Jungle Book**

Recommended Books for Unit 12 Reinforcement:

- A House is a House for Me by Hoberman
- Afternoon on the Amazon by Osborne
- Castles, Caves, and Honeycombs by Ashman
- Deserts by Gibbons
- I See a Kookaburra! by Jenkins and Page
- In the Rainforest by Duke
- Meadowlands by Yezerki
- Rain Forests by Osborne
- What Color is Camouflage? by Otto
- Why Oh Why Are Deserts Dry? by Rabe and Ruiz
- Wild Animal Atlas: Earth's Astounding Animals and Where They Live by National Geographic

Unit 13: Plants, Photosynthesis, and Decomposition

Episode 111: Goes to Seed

Topic: Seeds

167. Watch episode.
168. [Seeds on the Move Activity](#)
169. Soak bean seeds overnight and then open the seeds to examine the tiny bean plant inside.

Episode 310: Gets Planted

Topic: Photosynthesis

170. Watch Episode
171. [A-Maze-ing Plants Activity](#)
172. [Maze Craze Computer Game](#)
173. Watch [Photosynthesis News](#)
174. Paint a picture using vegetables, herbs, grass, and other plant life as brushes.*

Episode 207: In a Pickle

Topic: Microbes

175. Watch episode.
176. [Getting Moldy Activity.](#)
177. [Make a mushroom house.*](#)

Episode 106: Meet the Rot Squad

Topic: Decomposition

178. Watch Episode
179. [The Leaf Decay Contraption Activity](#)
180. [A Super Science Guide To Your Own Backyard Experiment](#)

Recommended Books for Unit 13 Reinforcement:

- A Tree is a Plant by Bulla
- A Tree is Nice by Udry
- Fall Leaves by Rustad
- From Seed to Plant by Gibbons
- How a Seed Grows by Jordan and Krupinski
- Leaf Jumpers by Gerber
- Leaf Man by Ehlert
- Leaves by Stein
- Mushrooms in the Rain by Ginsburg and Aruego
- Plants That Never Bloom by Heller
- Tell Me, Tree by Gibbons
- The Magic School Bus Meets the Rot Squad by Cole and Bracken
- The Tiny Seed by Carle
- Wiggily Worms at Work by Pfeffer and Jenkins