

# Science, Technology, Engineering, Mathematics (STEM)

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## National Geographic Science Grade 5 (sorted by STEM references)



## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Chapter 1	T38-T39	Physical Science Expert: Chemist	Science/Engineering
Physical Science	Chapter 4	T159e-T159h	Think Like a Scientist: How Scientists Work: Designing Machines to Solve	Science/Engineering
Physical Science	Chapter 4	T162-T163	Physical Science Expert: Industrial Designer	Science/Engineering
Life Science	Chapter 2	T53e-T53h	Directed Inquiry: Investigate Changing Ecosystems	Science/Math
Life Science	Chapter 2	T83	Science in a Snap!: Personal Impact	Science/Math
Life Science	Chapter 2	T85a-T85d	Guided Inquiry: Investigate Pollution and Plants	Science/Math
Life Science	Chapter 4	T133e-T133h	Think Like a Scientist: Math in Science: Recording and Interpreting	Science/Math
Life Science	Chapter 4	T133i-T133l	Directed Inquiry: Investigate Bird Feathers	Science/Math
Life Science	Chapter 5	T181g-T181j	Directed Inquiry: Investigate Depth Perception	Science/Math
Life Science	Chapter 5	T194-T195	Science in a Snap!: Feel the Beat	Science/Math
Life Science	Chapter 5	T213a-T213d	Guided Inquiry: Investigate Lungs and Carbon Dioxide	Science/Math
Life Science	Chapter 5	T228i-T228p	Open Inquiry: Do Your Own Investigation	Science/Math
Earth Science	Chapter 1	T19	Think Like a Scientist: Math in Science: Read a Climate Graph	Science/Math
Earth Science	Chapter 1	T21	My Science Notebook: Notetaking	Science/Math
Earth Science	Chapter 1	T23	My Science Notebook: Notetaking	Science/Math

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Chapter 1	T27	Think Like a Scientist: Math in Science: How Many Moon Cycles in a	Science/Math
Earth Science	Chapter 1	T35	My Science Notebook: Recording Observations	Science/Math
Earth Science	Chapter 1	T44-T52	Become an Expert: Extreme Latitudes: Living in Darkness and Light	Science/Math
Earth Science	Chapter 2	T53e-T53h	Directed Inquiry: Investigate Earth and the Moon	Science/Math
Earth Science	Chapter 2	T59	Think Like a Scientist: Math in Science: Number Line	Science/Math
Earth Science	Chapter 2	T61	My Science Notebook: Notetaking	Science/Math
Earth Science	Chapter 2	T64-T65	Science in a Snap!: How Far Apart?	Science/Math
Earth Science	Chapter 2	T67	My Science Notebook: Notetaking	Science/Math
Earth Science	Chapter 2	T73	Think Like a Scientist: Math in Science: Make a Bar Graph	Science/Math
Earth Science	Chapter 2	T76	Think Like a Scientist: Math in Science: Pluto's Orbit	Science/Math
Earth Science	Chapter 2	T79a-T79d	Think Like a Scientist: Math in Science: Interpreting and Comparing	Science/Math
Earth Science	Chapter 2	T79e-T79h	Guided Inquiry: Investigate the Solar System	Science/Math
Earth Science	Chapter 3	T99	Think Like a Scientist: Math in Science: Using a Protractor to Identify	Science/Math
Earth Science	Chapter 3	T111	Think Like a Scientist: Math in Science: What Size Shoe Would a	Science/Math
Earth Science	Chapter 4	T147	Science in a Snap!: Estimate Water Use	Science/Math

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Chapter 4	T150	Think Like a Scientist: Math in Science: What Happens to Trash	Science/Math
Earth Science	Chapter 4	T152	Think Like a Scientist: Math in Science: Materials that People	Science/Math
Earth Science	Chapter 4	T155	My Science Notebook: Write a Report	Science/Math
Earth Science	Chapter 4	T161	Think Like a Scientist: Math in Science: Renewable Energy Use	Science/Math
Earth Science	Chapter 5	T181g-T181j	Directed Inquiry: Investigate the Water Cycle	Science/Math
Earth Science	Chapter 5	T193	My Science Notebook: Draw Conclusions	Science/Math
Earth Science	Chapter 5	T201	Science in a Snap!: Make a Rain Gauge	Science/Math
Earth Science	Chapter 5	T210	Think Like a Scientist: Math in Science: Make a Line Graph	Science/Math
Earth Science	Chapter 5	T211	My Science Notebook: Making and Recording Observations	Science/Math
Earth Science	Chapter 5	T213a-T213d	Guided Inquiry: Investigate Weather	Science/Math
Earth Science	Chapter 5	T228i-T228p	Open Inquiry: Do Your Own Investigation	Science/Math
Physical Science	Chapter 1	T5e-T5h	Explore Activity: Investigate Matter	Science/Math
Physical Science	Chapter 1	T16	Think Like a Scientist: Math in Science	Science/Math
Physical Science	Chapter 1	T31	Think Like a Scientist: Math in Science	Science/Math
Physical Science	Chapter 2	T53e-T53h	Directed Inquiry: Investigate Physical Changes in Water	Science/Math

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Chapter 2	T63	Think Like a Scientist: Math in Science	Science/Math
Physical Science	Chapter 2	T79a-T79d	Guided Inquiry: Investigate a Chemical Reaction	Science/Math
Physical Science	Chapter 3	T93e-T93h	Think Like a Scientist: Math in Science: Measuring Forces	Science/Math
Physical Science	Chapter 3	T93i-T93l	Directed Inquiry: Investigate Forces and Motion	Science/Math
Physical Science	Chapter 3	T100	Think Like a Scientist: Math in Science: Calculating Speed	Science/Math
Physical Science	Chapter 3	T117a-T117d	Guided Inquiry: Investigate Changes in Motion	Science/Math
Physical Science	Chapter 4	T133e-T133h	Directed Inquiry: Investigate Friction	Science/Math
Physical Science	Chapter 4	T141	Science in a Snap!: Use a Lever to Raise an Object	Science/Math
Physical Science	Chapter 4	T142-T143	My Science Notebook: Investigate Inclined Planes	Science/Math
Physical Science	Chapter 4	T152	Think Like a Scientist: Math in Science: Comparing Data	Science/Math
Physical Science	Chapter 4	T159a-T159d	Guided Inquiry: Investigate a Simple Machine	Science/Math
Physical Science	Chapter 5	T173e-T173h	Directed Inquiry: Investigate Mechanical Energy	Science/Math
Physical Science	Chapter 5	T191	Think Like a Scientist: Math in Science: Make a Bar Graph	Science/Math
Physical Science	Chapter 5	T199a-T199d	Guided Inquiry: Investigate Light	Science/Math
Physical Science	Chapter 6	T231	Science in a Snap!: Observe an Energy Change	Science/Math

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Chapter 3	T101	My Science Notebook: Notetaking	Science/Math
Life Science	Chapter 1	T15	Integrated Technology: Whiteboard Presentation	Science/Technology
Life Science	Chapter 1	T21	Integrated Technology: Digital Booklet	Science/Technology
Life Science	Chapter 1	T29	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 1	T31	Integrated Technology: Digital Booklet	Science/Technology
Life Science	Chapter 1	T39a-T39d	Directed Inquiry: Investigate Plant Cells	Science/Technology
Life Science	Chapter 2	T43	Integrated Technology: Whiteboard Presentation	Science/Technology
Life Science	Chapter 2	T44-T45	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 2	T63	Integrated Technology: Whiteboard Presentation	Science/Technology
Life Science	Chapter 2	T65	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 2	T66	Integrated Technology: Digital Booklet	Science/Technology
Life Science	Chapter 2	T73	Integrated Technology: Digital Booklet	Science/Technology
Life Science	Chapter 2	T88-T89	Life Science Expert: Conservationist	Science/Technology
Life Science	Chapter 2	T89	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 2	T90-T100	Become an Expert: Interactions in a Coral Reef	Science/Technology

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Life Science	Chapter 2	T96-T97	Integrated Technology: Whiteboard Presentation	Science/Technology
Life Science	Chapter 2	T100a-T100h	Explore on Your Own: Freaky Frogs	Science/Technology
Life Science	Chapter 3	T111	Integrated Technology: Digital Booklet	Science/Technology
Life Science	Chapter 3	T119	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 3	T124-T125	Life Science Expert: Ecologist	Science/Technology
Life Science	Chapter 3	T125	Integrated Technology: Whiteboard Presentation	Science/Technology
Life Science	Chapter 3	T126-T127	Integrated Technology: Digital Booklet	Science/Technology
Life Science	Chapter 3	T128-T129	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 4	T141	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 4	T149	Integrated Technology: Digital Booklet	Science/Technology
Life Science	Chapter 4	T158	Integrated Technology: Whiteboard Presentation	Science/Technology
Life Science	Chapter 4	T170-T171	Life Science: Expert: Aquatic Ecologist	Science/Technology
Life Science	Chapter 4	T171	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 4	T180a-T180h	Explore on Your Own: Do Elephants Talk?	Science/Technology
Life Science	Chapter 5	T189	Integrated Technology: Whiteboard Presentation	Science/Technology

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Life Science	Chapter 5	T199	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 5	T203	Integrated Technology: Digital Booklet	Science/Technology
Life Science	Chapter 5	T216-T217	Life Science Expert: Surgeon	Science/Technology
Life Science	Chapter 5	T217	Integrated Technology: Computer Presentation	Science/Technology
Life Science	Chapter 5	T222-T223	Integrated Technology: Whiteboard Presentation	Science/Technology
Life Science	Chapter 5	T228a-T228h	Explore on Your Own: The Beat Goes On	Science/Technology
Life Science	Chapter 5	T228q-T228	Think Like a Scientist: How Scientists Work	Science/Technology
Earth Science	Chapter 1	T15	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Chapter 1	T23	Integrated Technology: Digital Booklet	Science/Technology
Earth Science	Chapter 1	T28	Integrated Technology: Digital Calendar	Science/Technology
Earth Science	Chapter 1	T31	Integrated Technology: Video	Science/Technology
Earth Science	Chapter 1	T38-T39	National Geographic: Observing the Sky: Telescopes and Binoculars	Science/Technology
Earth Science	Chapter 1	T42-T43	Earth Science Expert: Aerospace Engineer	Science/Technology
Earth Science	Chapter 1	T43	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Chapter 1	T48-T49	Integrated Technology: Computer Presentation	Science/Technology

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Chapter 2	T61	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Chapter 2	T65	Integrated Technology: Sound Files	Science/Technology
Earth Science	Chapter 2	T66	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Chapter 2	T71	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Chapter 2	T77	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Chapter 2	T82-T83	Earth Science Expert: Geologist	Science/Technology
Earth Science	Chapter 2	T83	Integrated Technology: Digital Booklet	Science/Technology
Earth Science	Chapter 2	T84-T92	Become an Expert: Asteroids and Comets: Friends or Foes?	Science/Technology
Earth Science	Chapter 2	T86-T87	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Chapter 2	T92a-T92h	Explore on Your Own: Saturn, the Ring World	Science/Technology
Earth Science	Chapter 3	T93e-T93h	Directed Inquiry: Investigate Soil	Science/Technology
Earth Science	Chapter 3	T103	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Chapter 3	T111	Integrated Technology: Field Guide	Science/Technology
Earth Science	Chapter 3	T120-T121	Earth Science Expert: Lapidary	Science/Technology
Earth Science	Chapter 3	T121	Integrated Technology: Digital Slide Presentation	Science/Technology

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Chapter 3	T122-T123	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Chapter 3	T122-T132	Become an Expert: Metals: Hard-Working Minerals	Science/Technology
Earth Science	Chapter 4	T139	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Chapter 4	T146	Integrated Technology: Computer Presentation	Science/Technology
Earth Science	Chapter 4	T161	Integrated Technology: Digital Booklet	Science/Technology
Earth Science	Chapter 4	T165	My Science Notebook: Drawing Conclusions	Science/Technology
Earth Science	Chapter 4	T167	My Science Notebook: Share and Compare: Renewable or	Science/Technology
Earth Science	Chapter 4	T171	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Chapter 4	T172-T173	Integrated Technology: Video News Report	Science/Technology
Earth Science	Chapter 4	T172-T180	Become an Expert: It's Easy Being Green	Science/Technology
Earth Science	Chapter 5	T199	Integrated Technology: Sound Files	Science/Technology
Earth Science	Chapter 5	T201	Integrated Technology: Video	Science/Technology
Earth Science	Chapter 5	T202	My Science Notebook: Writing a Report	Science/Technology
Earth Science	Chapter 5	T204	Integrated Technology: Whiteboard Presentation	Science/Technology
Earth Science	Chapter 5	T205	My Science Notebook: Make a Preparedness Plan	Science/Technology

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Earth Science	Chapter 5	T209	My Science Notebook: Writing a Report	Science/Technology
Earth Science	Chapter 5	T216-T217	Earth Science Expert: Meteorologist	Science/Technology
Earth Science	Chapter 5	T218-T228	Become an Expert: Preparing for Severe Weather	Science/Technology
Earth Science	Chapter 5	T222-T223	Integrated Technology: Digital Cameras	Science/Technology
Earth Science	Chapter 5	T228a-T228h	Explore on Your Own: Hurricane Hunters	Science/Technology
Unit Wrap Up	Unit Wrap Up	T228v	Monitor and Report the Weather	Science/Technology
Unit Wrap Up	Unit Wrap Up	T228x	Design and Create Resource Posters	Science/Technology
Physical Science	Chapter 1	T4	Think Like a Scientist: How Scientists Work: Solar Energy in Egypt and	Science/Technology
Physical Science	Chapter 1	T4-T4a	Meet a Scientist/Physical Science Video	Science/Technology
Physical Science	Chapter 1	T12	Integrated Technology: Game	Science/Technology
Physical Science	Chapter 1	T15	Integrated Technology: Digital Booklet	Science/Technology
Physical Science	Chapter 1	T25	Integrated Technology: Digital Booklet	Science/Technology
Physical Science	Chapter 1	T26	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Chapter 1	T31	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Chapter 1	T35a-T35d	Directed Inquiry: Investigate Compounds	Science/Technology

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Chapter 1	T39	Integrated Technology: Video	Science/Technology
Physical Science	Chapter 1	T40-T41	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Chapter 2	T61	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Chapter 2	T65	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Chapter 2	T67	Integrated Technology: Digital Cameras	Science/Technology
Physical Science	Chapter 2	T73	Integrated Technology: Video	Science/Technology
Physical Science	Chapter 2	T82-T83	Physical Science Expert: Cutting-Edge Chef	Science/Technology
Physical Science	Chapter 2	T83	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Chapter 3	T113	Integrated Technology: Digital Photo Gallery	Science/Technology
Physical Science	Chapter 3	T115	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Chapter 3	T120-T121	Physical Science Expert: Kinesiologist	Science/Technology
Physical Science	Chapter 3	T121	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Chapter 3	T128-T129	Integrated Technology: Digital Booklet	Science/Technology
Physical Science	Chapter 4	T141	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Chapter 4	T143	Integrated Technology: Whiteboard Presentation	Science/Technology

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Chapter 4	T146	Integrated Technology: Digital Booklet	Science/Technology
Physical Science	Chapter 4	T157	Integrated Technology: Sound Files	Science/Technology
Physical Science	Chapter 4	T164-T165	Integrated Technology: Digital Booklet	Science/Technology
Physical Science	Chapter 5	T180	Integrated Technology: Video	Science/Technology
Physical Science	Chapter 5	T184	Integrated Technology: Video	Science/Technology
Physical Science	Chapter 5	T194-T195	My Science Notebook: Investigate Chemical Reactions	Science/Technology
Physical Science	Chapter 5	T195	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Chapter 5	T197	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Chapter 5	T203	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Chapter 6	T224-T225	Science in a Snap!: Light It Up	Science/Technology
Physical Science	Chapter 6	T225	Integrated Technology: Whiteboard Presentation	Science/Technology
Physical Science	Chapter 6	T227	Integrated Technology: Digital Booklet	Science/Technology
Physical Science	Chapter 6	T229	Integrated Technology: Digital Booklet	Science/Technology
Physical Science	Chapter 6	T230	Integrated Technology: Computer Presentation	Science/Technology
Physical Science	Chapter 6	T233	My Science Notebook: Notetaking	Science/Technology

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Chapter 6	T239a-T239d	Guided Inquiry: Investigate Electrical Conductors and Insulators	Science/Technology
Physical Science	Chapter 6	T243	Integrated Technology: Video Presentation	Science/Technology
Physical Science	Chapter 6	T246-T247	Integrated Technology: Digital Booklet	Science/Technology
Physical Science	Chapter 6	T252a-T252h	Explore on Your Own: It's Electrifying	Science/Technology
Physical Science	Chapter 6	T252r-T252u	Think Like a Scientist: Science and Technology: How Technology Helps	Science/Technology
Unit Wrap Up	Unit Wrap Up	T252w	Make a Movie about Motion	Science/Technology
Unit Wrap Up	Unit Wrap Up	T252x	Make a Web Page about Simple Machines	Science/Technology
Earth Science	Chapter 1	T4	Think Like a Scientist: Science and Technology	Science/Technology/Engineering
Earth Science	Chapter 1	T4-T4a	Meet a Scientist/Earth Science Video	Science/Technology/Engineering
Earth Science	Chapter 4	T170-T171	Earth Science Expert: Energy Researcher	Science/Technology/Engineering
Physical Science	Chapter 1	T40-T52	Become an Expert: Matter: The Uses of Matter	Science/Technology/Engineering
Physical Science	Chapter 1	T52a-T52h	Explore on Your Own: What's the Matter?	Science/Technology/Engineering
Physical Science	Chapter 2	T84-T92	Become an Expert: Physical and Chemical Changes in the Culinary Arts	Science/Technology/Engineering
Physical Science	Chapter 4	T164-T172	Become an Expert: Bicycles	Science/Technology/Engineering
Physical Science	Chapter 5	T202-T203	Physical Science Expert: Urban Planner	Science/Technology/Engineering

## National Geographic Science STEM Correlation, Grade 5

Strand	Chapter	Teacher Edition Pages	Title	STEM References
Physical Science	Chapter 5	T204-T212	Become an Expert: Geothermal Energy: Using Earth's Heat Energy	Science/Technology/Engineering
Physical Science	Chapter 6	T242-T243	Physical Science Expert: Video Game Programmer	Science/Technology/Engineering
Physical Science	Chapter 6	T244-T252	Become an Expert: Video Games: When Electricity Becomes Really Fun	Science/Technology/Engineering
Life Science	Chapter 2	T79	Social Studies in Science	Science/Technology/Math
Earth Science	Chapter 1	T5e-T5h	Explore Activity: Investigate Shadows and Time	Science/Technology/Math
Earth Science	Chapter 4	T133e-T133h	Directed Inquiry: Investigate Recycling	Science/Technology/Math
Earth Science	Chapter 4	T167a-T167d	Guided Inquiry: Investigate Solar Energy	Science/Technology/Math
Earth Science	Chapter 5	T228q-T228	Think Like a Scientist: How Scientists Work	Science/Technology/Math
Unit Wrap Up	Unit Wrap Up	T228u	Make a Space Mural	Science/Technology/Math
Physical Science	Chapter 6	T239	My Science Notebook: Share and Compare: Energy Transformer	Science/Technology/Math
Physical Science	Chapter 6	T252j-T252q	Open Inquiry	Science/Technology/Math