

# River Trail Media Center

## RESEARCH PATHFINDER

### Science Fair Research

**Collaborative Team:** 8<sup>th</sup> Grade Science Mrs. Wall, Media Resources

**Project or Topic:** Science Fair Research/Physical Science

**WHERE TO START and HOW TO FIND IT – RESEARCH SOURCES –**

**Library Catalog:** <http://fcsdestiny.fultonschools.org/common/welcome.jsp?site=389>

**BOOKS:** For books about physics, chemistry, engineering, etc., see the following:

Mathematics 510-519 / Astronomy 520-529 / Physics 530-539 / Chemistry 540-549 / Earth Sciences 550-559 / Life Sciences 570-579 / Plants 580-589 / Animals 590-599 / Medical Sciences 610-619 / Engineering 620-629 / Chemical Engineering 660-669

**Also, take a look at these books specifically about science fair projects:**

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| 507 GAR Light, sound, and waves science fair projects using sunglasses, guitars, CDs, and other stuff             | 507.8 TOC Science fair success using supermarket products   |
| 507 LEV Science fair projects for dummies   | 507.8 VEC 100 first-prize make-it-yourself science fair projects                                  |
| 507 TOC Science fair success in the hardware store  | 507.9 BOC The complete handbook of science fair projects  |
| 507 VEC 100 amazing make-it-yourself science fair projects  | 530 BON Science fair projects : physics   |
| 507.8 GAR Science fair projects about the properties of matter using marbles, water, balloons, and more           | 530 GOO Sports science projects : the physics of balls in motion                                  |
| 507.8 GAR Chemistry science fair projects using acids, bases, metals, salts, and inorganic stuff                  | 533 GAR Science project ideas about air   |
| 507.8 GAR Forces and motion science fair projects : using water balloons, pulleys, and other stuff                | 550.7 BON Earth Science: 49 science fair projects   |
| 507.8 GAR Electricity and magnetism science fair projects using batteries, balloons, and other hair-raising stuff | 576 GAR Genetics and evolution science fair projects using skeletons, cereal, earthworms and more |
| 507.8 GAR Plastics and polymers science fair projects : using hair gel, soda bottles, and slimy stuff             | 577 DAS Environmental science: high-school science fair experiments                               |
| 507.8 GAR Chemistry science fair projects using French fries, gumdrops, soap, and other organic stuff             | 580.78 PER Science Fair success with plants   |
| 507.8 GAR Light, sound, and waves science fair projects : using sunglasses, guitars, CDs, and other stuff         | 621.042 RYB Environmental experiments about renewable energy                                      |
| 507.8 GAR Science Fair projects about the properties of matter: using marbles, water, balloons and more           | 621.3 BON Science fair projects with electricity & electronics                                    |
| 507.8 ROS Science fair success using the Internet   | 628 BON Environmental science: 49 science fair projects   |

To access these websites, go to <http://www.rivertrailmiddleschool.org> then select *Media Center*. The “Pathfinders” link will take you to *Science Fair Research* .

[www.galileo.usg.edu](http://www.galileo.usg.edu) Select the **High School** or the **Teens** page and type in your keyword(s) to access encyclopedia, magazine, and newspaper articles: (check with the Media Specialist for the password for at home use)

**Recommended Internet sites:** (These web sites contain the information you need.)

<http://www.cdli.ca/sciencefairs/intermed.html> Science Fair ideas/questions (Intermediate)

<http://www.cdli.ca/sciencefairs/physsi.html> Science Fair ideas/questions (Advanced)

<http://www.ipl.org/kidspace/browse/mas6000> Internet Public Library Experiments & Science Fair Projects

<http://school.discoveryeducation.com/sciencefaircentral/Getting-Started/Investigation.html> Science Fair Handbook “How To” – from Discovery.com

<http://www.sciencebob.com/> Science Fair Central from Sciencebob.com

<http://sln.fi.edu/qanda/spotlight1/spotlight1.html> Franklin Institute – Science Fair

<http://www.all-science-fair-projects.com/> All Science Fair Projects

<http://www.energyquest.ca.gov/projects/> Science Projects – from Energy Quest – scroll down for project ideas

<http://www.juliantrubin.com/branchesofsciencefair.html> Select a science fair project to view

<http://www.super-science-fair-projects.com> Use the menu on the left to guide your research

<http://www.sciencefair-projects.org/> Scroll to the middle of page for broad topics

<http://faculty.washington.edu/chudler/fair.html> Step-by-step guide with links at bottom of page