

WINNING-SCIENCE-PROJECT GUIDE

The Scientific Method

make

observation

propose

research question

identify

variables

independent

dependent

do

background research

state

hypothesis

design

experiment

write

record results

display data

procedure

data table

line graph

bar graph

pie chart

finalize

conclusions

communicate

results

publish report

make presentation

RESOURCES

You can access these Web links at:
www.scholastic.com/scienceworld.

SCIENCE-FAIR AWARDS PROGRAMS

Were your students inspired by the young scientists featured in this issue? Encourage them to enter their own project in these national awards programs:

The Young Naturalist Awards

The American Museum of Natural History runs a research-based essay contest, open to students in grades 7 to 12. The program promotes participation and communication in science.

www.amnh.org/nationalcenter/youngnaturalistawards

Discovery Education/3M Young Scientist Challenge

This program is searching for young science communicators! Prizes are awarded to students who demonstrate leadership, teamwork, and scientific problem solving. Open to students in grades 5 through 8.

<http://youngscientist.discoveryeducation.com>

Christopher Columbus Awards

This program challenges trios and quartets of middle school students to solve real-world problems with the scientific method, and make positive changes in their communities.

www.christophercolumbusawards.com

Intel International Science and Engineering Fair

This is the world's largest international pre-college science competition. Students in grades 9 through 12 who have won their local Intel-affiliated science fairs head to this science extravaganza in the spring to compete for over \$4 million in scholarships and prizes.

www.societyforscience.org/ISEF

GENERAL INFORMATION

The book *Science Fair Success Guide*, by *Science World's* editor, Patricia Janes, gives teachers everything they need to host a science fair—from timetables and checklists to scoring rubrics and awarding certificates. To purchase, visit:

www2.scholastic.com/browse

[/search?query=0-439-89518-9&x=19&y=9](http://www2.scholastic.com/browse/search?query=0-439-89518-9&x=19&y=9)

or call **1-800-SCHOLASTIC**.

How do scientists assemble their research reports? Students will get tips from Susan Perkins, a microbiologist at the American Museum of Natural History, at Scholastic's Writing With Scientists Web site. Perkins shows students how to transform a collection of notes, research, and experiments into a well-organized science report. Don't forget to check out the "For Teachers" section for resources. Visit:

<http://teacher.scholastic.com/activities>

[/sciencewriting/index.htm](http://teacher.scholastic.com/activities/sciencewriting/index.htm)

Science Buddies is a non-profit organization that aims to help improve science literacy through hands-on scientific investigations. Its Web site offers free science-fair-project ideas and more. Go to: www.sciencebuddies.org