For a printable copy of this guide and other resources, visit [http://projects.systemsbiology.net/celebratingscience](http://projects.systemsbiology.net/celebratingscience). The resources listed in this section have been divided into five categories:

- Science Education Reform
- Inquiry-based Science
- Parental Engagement
- Activity Books
- Organizations Supporting Inquiry-based Science

To read a review for many of the books cited, visit NSTA Recommends® website at: [http://www2.nsta.org/recommends](http://www2.nsta.org/recommends)

### Science Education Reform


### Inquiry-based Science


### Parental Engagement


Activity Books

General

K-4

K-8

K-12

5-8

5-12
Organizations Supporting Inquiry-based Science

Center for Inquiry Science at the Institute for Systems Biology
http://systemsbiology.org/Center_for_Inquiry_Science

The Center for Inquiry Science is a team of science educators uniquely hosted at a nonprofit research institution, the Institute for Systems Biology. While drawing from and contributing to educational research, the Center for Inquiry Science’s efforts support K-12 inquiry-based science education within the Puget Sound region and often, if requested, across Washington State. The services offered by the Center for Inquiry Science include development, facilitation, and coordination of professional development and consultation for teachers and administrators.

Exploratorium: The museum of science, art and human perception
http://www.exploratorium.edu/explore/index.html

The Exploratorium is a museum of science, art, and human perception located in San Francisco, CA. Online since 1993, the Exploratorium was one of the first science museums to build a site on the World Wide Web. Included in their award-winning site are more than 18,000 web pages and many sound and video files exploring hundreds of different topics. Many of the resources on their website are examples of very simple uses of information technology, but thoughtfully implemented. For example, the site contains instructions for over 500 simple experiments, all of which may be viewed on any type of web browser, with even the slowest connection, and easily printed out.

Leadership and Assistance for Science Education Reform (LASER)
http://www.nsrconline.org/school_district_resources/laser.html

In 1998, the National Science Resources Center (NSRC) launched a nationwide initiative Leadership and Assistance for Science Education Reform (LASER) as a part of its outreach program. Building on the NSRC’s national leadership development program, the LASER Center’s goal is to improve science education for about 1 million students in 300 school districts nationwide. To accomplish this goal, the NSRC formed partnerships with eight regional sites, publishers of National Science Foundation (NSF)-supported middle and elementary school instructional materials, and several major corporations and private foundations. The NSRC and LASER partners offer school districts a comprehensive menu of programs, products, and services for initiating and implementing inquiry-centered K-8 science education programs. LASER partners provide regional programs that build community support for science education, develop school district leadership and strategic planning capabilities, identify and support a cadre of teacher leaders, provide quality instructional materials, and broker resources and technical assistance.

National Science Teachers Association
http://nsta.org

The National Science Teachers Association (NSTA), is the largest organization in the world committed to promoting excellence and innovation in science teaching and learning. The Association serves as an advocate for science educators by keeping its members and the general public informed about national issues and trends in science education. NSTA disseminates results from nationwide surveys and reports and offers testimony to Congress on science education-related legislation and other issues. The Association develops position statements on issues such as teacher preparation, laboratory science, use of animals in the classroom, laboratory safety, and elementary and middle-level science. Each year, the Association’s legislative network reaches nearly a half million educators.
Organizations Supporting Inquiry-based Science continued

Parent Teacher Association
http://www.pta.org/
This organization has a breadth of resources and serves as an advocacy group for students. Let your local PTA know about your Family Science program and how it benefits students through family and community participation.

School’s Out Washington
http://schoolsoutwashington.org
School’s Out Washington supports after-school providers in offering quality programming for children's success. Their training and curricula build on the strengths of the organization’s program and provide the tools needed to make life-long learners of the children served. This organization takes an infusion approach to introducing literacy, science, and math into after-school. Their curricula help programs create quality environments to explore academic concepts in the context of play in after-school time. Their trainings on the Cool! Curricula help the materials come alive and ensure that the time invested makes the greatest impact on student learning.

Other Resources to Consider in Your Community

Here are some organizations in the Seattle area that are adopting inquiry into their programming. Look for similar resources in your community and let them know about inquiry-based science education and its great benefits for student learning.

- Audubon Washington
- Burke Museum of Natural History and Culture
- Museum of Flight
- Museum of History and Industry
- Pacific Science Center
- Seattle Aquarium
- Washington Mathematics Engineering Science Achievement (MESA)
- Woodland Park Zoo