Basics About Disabilities and Science and Engineering Education  by Ruta Sevo

An introduction to disability issues, history, laws, and research for educators who have little or no experience with students or colleagues with disabilities.

There is a short overview in the form of a presentation script. A section looks at the need for inclusion and recruitment of students with disabilities to science and engineering fields, and gives examples of resources for faculty to improve instruction.

The Short Reader and Syllabus is a digest covering topics often included in full Disability Studies readers written by experts.

An annotated bibliography is provided for those who want further depth. It draws from syllabi used for undergraduates. 220 pages  Supported by National Science Foundation grant HRD 06-22885.

Available at http://www.lulu.com/spotlight/sevo

Serving Up Science and Engineering (to girls especially): a quick briefing  by Ruta Sevo & Barbara Bogue

A guide for people who find themselves involved with education outreach programs to recruit girls and minorities to science and engineering, or want to know about them.

It offers a quick digest on a range of topics from activities to use with kids, to who's doing what in this area and why.

Designed like a 10-minute cookbook. Pick up things that appeal to you.

Hand out this book at your diversity or outreach workshop. It is meant for leaders who want to explore the issue, helping them navigate the field. More info at http://momox.org/servingup.html

By Ruta Sevo and Daryl E. Chubin

The National Science Foundation program needed to know more about a relatively new investment. Grants of $2.5 million for five years went to nine projects between 2005 and 2009. Was it working? What was the experience in the field? What were successes and frustrations, and especially, lessons learned? The goal of the NSF program is to improve the capacity of our educational systems to attract and graduate more diverse students in science and engineering, especially females, in answer to a national talent crisis. The concept of Extension Services was to build capacity among educators to understand new research findings, adopt proven practices that fit their culture, and adopt a more data-driven approach to improving the diversity of students in science and engineering education. Based upon work supported by the National Science Foundation under Grant HRD 09-38413.

A Planning Guide for New Extension Services

By Ruta Sevo and Daryl E. Chubin

A step by step guide to designing a new extension service, which is a type of project funded by the program Research on Gender in Science and Engineering at the National Science Foundation. Draws on lessons learned by nine projects funded since 2005. Describes a model for the diffusion of innovations in education. In this case, their aim is to improve the capacity of our educational systems to attract and graduate more diverse students in science and engineering, especially females, in answer to a national talent crisis. Funded by NSF Grant HRD 09-38413, and prepared by the Center for Advancing Science & Engineering Capacity at the American Association for the Advancement of Science.

http://www.aaascapacity.org 40 pages

Memo to the Educate to Innovate Campaign

A MEMO to the Educate to Innovate Campaign (Obama, 2009), that recommends top five strategies to increase the number of girls and women in science and engineering education. Made by a group of 20 lead organizations with brainstorming response from 350 experts in the national community of practice. The “July 19th Collaboration” offers a list of 39 focused strategies, each of which can be tied to root causes based on research, and pilot programs with results. Together they comprise a systemic effort to change and correct for historical biases and exclusion. Lead contact is National Coalition for Women and Girls in Education (NCWGE) http://www.ncwge.org. See also http://stemcollaboration.org.

Available at http://www.lulu.com/spotlight/sevo