Creating an E-Mentoring Community

How DO-IT does it, and how you can do it, too

Sheryl Burgstahler University of Washington

Creating an E-Mentoring Community

How DO-IT does it, and how you can do it, too

Sheryl Burgstahler

DO-IT
Disabilities, Opportunities, Internetworking, and Technology
University of Washington
Box 355670
Seattle, Washington 98195-5670
doit@u.washington.edu
http://www.washington.edu/doit/
206-685-DOIT (voice/TTY)
888-972-DOIT (toll free voice/TTY)
509-328-9331 (voice/TTY) Spokane office
206-221-4171 (fax)
Founder and Director: Sheryl Burgstahler, Ph.D.

© 2006 University of Washington

Permission is granted to copy these materials for noncommercial purposes provided the source is acknowledged.

This book was developed with funding from The Mitsubishi Electric America Foundation and the National Science Foundation (cooperative agreement #HRD-0227995). However, the contents do not necessarily represent the policy of the funding sources, and you should not assume their endorsement.

DEDICATION



This book is dedicated to college-bound **teens** who are smart enough to know they can learn from the experiences of others.

It is also dedicated to **mentors** who find joy in knowing they've made a difference in a young person's life. These caring adults may mentor a child as part of their relationship as

- n a **parent** who is continually learning how best to guide his or her child toward a happy, self-determined life.
- n a **teacher** who is learning strategies to apply in the special education or inclusive classroom.
- n a **counselor** or **group leader** who is open to new ideas for helping young people become successful adults.

The book is written for those who wish to develop an online community that facilitates mentoring, peer support, and other activities to promote academic and career success, social competence, self-determination, and leadership skills for teens with a wide range of abilities and disabilities. Anyone who enjoys hearing about the goals, challenges, efforts, experiences, and insights of young people facing life's challenges will also enjoy reading this book.

ACKNOWLEDGMENTS



Author, Contributors, Funders

Courage is not the absence of fear; it is the making of action in spite of fear.

M. Scott Peck



The Author

Dr. Sheryl Burgstahler is the founder and director of DO-IT (Disabilities, Opportunities, Internetworking, and Technology) at the University of Washington. DO-IT promotes the success of people with disabilities in post-secondary academic programs and careers. It sponsors projects that increase the use of assistive technology and stimulate the development of accessible facilities, computer labs, electronic resources in libraries, web pages, educational multimedia, and Internet-based distance learning programs.

Dr. Burgstahler is the director of the Northwest Center on Access to Science, Technology, Engineering, and Mathematics (*AccessSTEM*), funded by the National Science Foundation (cooperative agreement #HRD-0227995) to increase the participation of people with disabilities in science, technology, engineering, and mathematics (STEM) careers. She codirects the National Center on Accessible Information Technology in Education (*AccessIT*), funded by the National Institute on Rehabilitation Research of the U.S. Department of Education (grant #H133D010306) to coordinate a nationwide effort to promote the use of accessible information technology. She also codirects The Alliance for Access to Computing Careers (*AccessComputing*), funded by the National Science Foundation (grant #CNS-0540615) to increase the participation of people with disabilities in computing fields.

Dr. Burgstahler has published dozens of articles and delivered presentations at national and international conferences that focus on the full inclusion of individuals with disabilities in postsecondary education, distance learning, work-based learning, and electronic communities. She is the author or coauthor of six books on using the Internet with precollege students. Dr. Burgstahler has extensive experience teaching at the precollege, community college, and university levels. She is the director of Accessible Technology Services within Computing & Communications and Affiliate Associate Professor in the College of Education at the University of Washington. More about Dr. Burgstahler can be found on her website at http://staff.washington.edu/sherylb/.

The Contributors

Thanks to the more than one hundred successful young people and adults with disabilities for sharing insights and advice that guided the development of this book. Special thanks to Randy Hammer, Jessie Shulman, Larry Scadden, and Todd Stabelfeldt for sharing their personal stories and to Carole Isakson for conducting interviews and assisting with editing. In addition, for contributing to the content and editing of the book, thanks go to Scott

Bellman, Beverly Biderman, Tresa Bos, Dan Comden, Lyla Crawford, Deb Cronheim, Tanis Doe, Nan Hawthorne, Doug Hayman, Natalie Hilzen, Phyllis Levine, Hope Long, Sara Lopez, Kathryn Pope Olson, Lynda Price, Mary Proudfoot, Michael Richardson, Nancy Rickerson, Amy Schieffer, Lisa Stewart, Mark Uslan, Aimee Verrall, Teresa Welley, and Sue Wozniak.

Some of the content of this book was adapted from the comprehensive collection of DO-IT publications at http://www.washington.edu/doit/. Readers will find there some of the same content adapted for different audiences, as well as other publications, videos, and resources that promote the success of people with disabilities and the use of technology as an empowering tool. The most relevant references can be found in Chapter Fourteen of this book.

The Funding Sources

Partial funding for the creation of this book was provided by the Mitsubishi Electric America Foundation, a nonprofit foundation jointly funded by Mitsubishi Electric Corporation of Japan and its American affiliates. The Foundation's mission is to contribute to a better world for us all by helping young people with disabilities, through technology, maximize their potential and participation in society. Additional funding was provided by the National Science Foundation (cooperative agreement #HRD-0227995). Any questions, findings, or conclusions expressed in these materials are those of the author and other contributors and do not necessarily reflect the views of the funding agencies.

FOREWORD



We must take control of our own destiny, but we must avoid alienating those who may be gatekeepers to future success.

Dr. Lawrence Scadden —

When and how did I learn to take charge of my own life? People who know me may think that I have always had self-determination: I have had a successful career moving from place to place, job to job, going where there were exciting new opportunities. That was not always the case!

As a teenager, my first love was science and mathematics. I wanted to become a scientist or engineer, but teachers, counselors, and family urged me to reconsider, saying, "There is no place for a blind person in these fields." I believed them. Not until my early twenties did I take charge of my own life and make a plunge into science. I was in graduate school working on an advanced degree in government studies and teaching part-time in a community college when I began taking courses at a nearby college looking for an area of science in which I could make a mark. Human perception was the answer. Most of the scientific literature on human perception dealt with vision, leaving important research on touch and hearing for others, like me. I changed my field, and my life changed forever.

When reading this exciting new volume, *Creating an E-Mentoring Community*, I recognized that many of the young people who contributed to the book achieved self-determination as teens. Why did they succeed at that age when I did not? Many good reasons explain the difference. In the 1950s when I was a teenager, those of us with disabilities had few role models to look to for guidance, and we had few opportunities to learn and demonstrate our capabilities and interests. Today many opportunities exist, and information regarding successful people with disabilities can be disseminated far more easily than in the past. The young people who contributed to this volume all were involved in exemplary programs that promoted self-esteem and fostered self-determination. Reading about their experiences and examining their advice, I am aware of the similarities and the differences between opportunities of today and those of my era. For instance, the factors that promote success and achieving self-determination are quite similar.

Todd, in an *E-Community Activity* in Chapter Four, says that one's attitude and personality are key factors for success. I agree even though these personal traits can be pretty rough around the edges sometimes; persistence may be only a shade away from being stubborn or obstinate. A balanced approach in human relations is important, although often difficult to manage. We must take control of our own destiny, but we must avoid alienating those who may be gatekeepers to future success.



Todd and Randy commend their parents for expressing high expectations for them and their lives early on. I do too, but, as this book points out, many people with disabilities achieve self-determination without parental support. It is possible, but it is much easier when one's own attitude regarding future success is learned early from one's family.

Jessie says that successful people need to be resourceful and adaptable. I continue to find that to be good advice every time I tackle a new challenge. People with disabilities are often pioneers, moving into new arenas where few can give advice. We must turn to our own strengths to solve problems of access and to perform tasks independently when necessary.

Randy says that it is important to be resilient. Oh yes! Mistakes, failures, and negative attitudes may seem to be barriers to forward motion, but we cannot let these deter our progress. Resilience is an important trait we need to have working for us all the time.

The primary difference for today's young people with disabilities from that known by those of us from an earlier generation relates to the opportunities and the information available today that promote personal growth. Most of the contributors to this book are participants in DO-IT programs or projects funded by the Mitsubishi Electric America Foundation and the National Science Foundation. Both of these programs are dedicated to giving young people with disabilities the opportunity to learn and to develop skills that will help them find their own accommodations and to be active and productive members of our communities. They learned early in their lives that their abilities are far more important than their disabilities. They serve as role models for each other, but they learn about others with disabilities who have gone before and who are successful in a myriad of careers and avocations. These are experiences and data that combine to produce knowledge, and knowledge is power.

The ideal would be to allow all young people with disabilities to have these opportunities, but that is not the reality. The next best thing is to provide more and more of these young people with the experiences vicariously through sharing the words of many who have had opportunities to participate in these exemplary programs. This volume—combined with the intervention of parents, teachers, and mentors—can provide these vicarious experiences for thousands of other young people with disabilities. Young people are heard sharing their insights and advice on achieving success. All of them have disabilities and have conquered them.

The contributions from these individuals are quite poignant, but the book contains other valuable guides for parents, teachers, mentors, and people with disabilities themselves. The author, Sheryl Burgstahler, has applied her wealth of knowledge and experience gained through years of working with people with disabilities to assembling a wealth of activities that will help all readers to interact with the information presented by the contributors. Readers, then, can take new skills and ideas to help them as they work with other young people who have disabilities.

The book's contributors, along with the author, strongly promote the concept that people with disabilities and their parents, teachers, and mentors all must profess and maintain high expectations for the person with a disability. It was gratifying to read this over and over in the book because it echoes something I have used to conclude dozens of public presentations over the last twenty years. I have numerous opportunities to address gatherings of people with disabilities and others who have contact with them. Often I talk about my own life experiences, urging others to help people with disabilities attain the same success. My concluding remarks frequently follow this theme. Speaking first to people with disabilities, I say, "Come fly with me; let your expectations soar!" Then to their parents, teachers, and counselors I say, "Come fly with them; let your expectations for them soar! Give them the opportunities and the tools to let them achieve their goals." Finally, to everyone else I say, "Come fly with us! Let our expectations for all people with disabilities soar!" This book is a tool that can raise expectations for all readers.

Lawrence A. Scadden, Ph.D. Retired Program Officer, National Science Foundation (NSF)



Celebrating when DO-IT won the National Information Infrastructure Award in 1995 are (from left to right) Virginia Stern, Director of Project on Science, Technology, and Disability, the American Association for the Advancement of Science; Dr. Sheryl Burgstahler, Founder and Director of DO-IT, University of Washington (UW); Dr. Lawrence Scadden, NSF Program Officer; Sonia Scadden, Dr. Scadden's wife; Dr. Ray Bowen, Dean of the UW College of Engineering and Computer Science; and Dr. David Burgstahler, UW Accounting Professor.

CONTENTS



Life is a succession of lessons, which must be lived to be understood.

— Ralph Waldo Emerson —

Foreword	V
Preface	xvii
Overview of this Book	xviii
History and Current Trends Regarding People with Disabilities	XX
DO-IT	xxii
The Role of Technology in Creating this Book	xxiv
What You'll Find in this Book	xxiv
How to Use this Book	XXV
How to Download or Purchase this Book and Complementary Videos	xxvi
PART I: CREATING AN ELECTRONIC MENTORING COMMUNITY	1
CHAPTER ONE: An introduction to e-mentoring and e-communities.	3
Peer, Near-Peer, and Mentor Support	4
Computer-Mediated Communication	6
E-Mentoring Communities	6
DO-IT's E-Mentoring Community	7
Joining an Existing Online Mentoring Program	11
CHAPTER TWO: Steps to creating an e-mentoring community.	13
Establish clear goals for the program.	13
Decide what technology to use.	13
Establish a discussion group structure.	14
Select an administrator for the e-mentoring community, and make other staff and volunteer assignments as needed.	15
Develop guidelines for protégés concerning appropriate and safe Internet communications.	15
Establish roles and develop guidelines, orientation, and training for mentors.	16
Standardize procedures for recruiting and screening mentor applicants.	16



Contents Contents

E-Community Activity: Randy and Proving Yourself	48
E-Community Activity: Randy and Taking on Challenges	50
E-Community Activity: Advice from Randy	52
E-Community Activity: Todd and an Awkward Moment	53
E-Community Activity: Todd, Family, and Friends	54
E-Community Activity: Jessie, Randy, Todd, and Success Strategies	56
E-Community Activity: Jessie, Randy, Todd, and Awkward Situations	57
Mentor Tip: Success	58
E-Community Activity: Emulating Characteristics of Successful People	59
E-Community Activity: Achieving Success	60
Mentor Tip: Self-Determination	61
E-Community Activity: Defining Self-Determination	62
E-Community Activity: Characteristics of Self-Determined People	63
E-Community Activity: Steps Toward Self-Determination	64
Mentor Tip: Commitment to Learning	65
Mentor Tip: Positive Values	66
Mentor Tip: Social Competencies	67
Mentor Tip: Positive Identity	68
Mentor Tip: Self-Development	69
Mentor Tip: Problem Solving	72
E-Community Activity: Advice from Teens	73
E-Community Activity: Success Stories on the Web	74
E-Community Activity: Affirming Success	75
PART II:	
SUPPORTING TEENS IN AN E-MENTORING COMMUNITY	77
CHAPTER FIVE: Define success for yourself.	79
Mentor Tip: Steps to Success	81
Mentor Tip: Definition of Success	82
E-Community Activity: Learning from Successful Experiences	83
E-Community Activity: Finding Your Goals for Success	84
E-Community Activity: Learning from Teens with Disabilities	85
E-Community Activity: Learning from Role Models	86
E-Community Activity: Discovering Academic Success Factors	87
E-Community Activity: Selecting Your Best Teacher	88



E-Community Activity: Defining Success	89
Mentor Tip: Keeping a Positive Attitude	90
E-Community Activity: Building a Positive Attitude	92
E-Community Activity: Finding Humor	93
E-Community Activity: Affirming Success	94
CHAPTER SIX: Set personal, academic, and career goals.	
Keep your expectations high.	95
Mentor Tip: Goals	97
Mentor Tip: Goal Setting	98
E-Community Activity: Setting Goals	99
Mentor Tip: Promoting High Expectations	100
Mentor Tip: Getting Help with Setting Goals	101
E-Community Activity: Getting Help to Maintain High Expectations	103
E-Community Activity: Matching Academic Interests with Careers	104
Mentor Tip: People with Disabilities and STEM	105
E-Community Activity: Pursuing STEM	106
E-Community Activity: Considering College Options	107
E-Community Activity: Making Plans	108
E-Community Activity: Affirming Success	109
CHAPTER SEVEN: Understand your abilities and disabilities. Play to your strengths.	111
	113
Mentor Tip: Disability Acceptance E. Community: A ctivity: A counting Disability.	
E-Community Activity: Accepting Disability Mentag Tig. Labels	115
Mentor Tip: Labels E. Community: A stigitus Travino Nova Things	116
E-Community Activity: Trying New Things E. Community: A stivity: Identifying Your Likes and Digities.	118
E-Community Activity: Identifying Your Likes and Dislikes	119
Mentor Tip: Incorrect Assumptions	120
E-Community Activity: Dealing with Incorrect Assumptions	122
E-Community Activity: Describing Your Disability	123
E-Community Activity: Dealing with Rude People	124
E-Community Activity: Thinking about Language	125
E-Community Activity: Responding to Labels	126
E-Community Activity: Building on Strengths	127

Contents

E-Community Activity: Redefining Limitations as Strengths	128
E-Community Activity: Exploring Learning Strengths and Challenges	129
E-Community Activity: Taking Inventory of Your Learning Style	130
E-Community Activity: Finding Careers That Use Your Skills	131
E-Community Activity: Matching Skills with Careers	132
E-Community Activity: Identifying Your Career Interests and Work Style	133
E-Community Activity: Healthy Self-Esteem	134
E-Community Activity: Valuing Yourself	135
E-Community Activity: Learning to Value Yourself	136
E-Community Activity: Affirming Self-Value	137
E-Community Activity: Affirming Success	138
CHAPTER EIGHT: Develop strategies to reach your goals.	139
Mentor Tip: Self-Advocacy	140
Mentor Tip: Goals	142
Mentor Tip: Short- and Long-Term Goals	143
E-Community Activity: Making Informed Decisions	144
Mentor Tip: Rights and Responsibilities	145
E-Community Activity: Knowing Your Rights and Responsibilities in College	146
E-Community Activity: Securing Accommodations in College	147
E-Community Activity: Developing Study Habits	148
E-Community Activity: Creating Win-Win Solutions	149
E-Community Activity: Changing Advocacy Roles	150
E-Community Activity: Self-Advocating	151
E-Community Activity: Self-Advocating with Teachers	152
E-Community Activity: Disclosing Your Disability in College	153
E-Community Activity: Disclosing Your Disability to an Employer	154
E-Community Activity: Advising a Friend about Disability Disclosure	155
E-Community Activity: Being Assertive	156
E-Community Activity: Securing Job Accommodations	157
E-Community Activity: Asking for Accommodations at Work	158
E-Community Activity: Standing Up for Convictions and Beliefs	159
E-Community Activity: Learning from Mistakes	160
E-Community Activity: Affirming Success	161



CHAPTER NINE: Use technology as an empowering tool.	163
E-Community Activity: Surveying Accessible Technology	165
Mentor Tip: Promoting Technology	166
Mentor Tip: Technology Access	168
Mentor Tip: Technology and Success in School	169
E-Community Activity: Becoming Digital-Age Literate	171
E-Community Activity: Using Technology with Young Children	172
E-Community Activity: Using Technology for Success in School	173
E-Community Activity: Using Technology to Complete Homework	174
E-Community Activity: Using Technology in Science and Engineering	175
E-Community Activity: Surfing the Web to Prepare for College	176
E-Community Activity: Using Technology in Your Career	177
E-Community Activity: Using Technology in Careers	178
E-Community Activity: Surfing the Web to Prepare for a Career	179
E-Community Activity: Using Technology to Enhance Your Social Life	180
E-Community Activity: Affirming Success with Technology	182
CHAPTER TEN: Work hard. Persevere. Be flexible.	183
Mentor Tip: Actions to Achieve Goals	185
E-Community Activity: Working Hard	187
E-Community Activity: Coping with Stress	188
E-Community Activity: Being Flexible	189
E-Community Activity: Taking Risks	190
E-Community Activity: Taking Action	191
E-Community Activity: Learning from Experiences	192
E-Community Activity: Learning from Work Experiences	193
E-Community Activity: Understanding the Value of Work Experiences	195
E-Community Activity: Being Resilient	196
E-Community Activity: Affirming Success	198
CHAPTER ELEVEN: Develop a support network. Look to family,	
friends, and teachers.	199
Mentor Tip: Teen Support	201
Mentor Tip: Supportive Environment	202
Mentor Tip: Self-Determination Support	203

Contents Contents

Mentor Tip: Teen Relationships with Adults	204
E-Community Activity: Developing Relationships with Adults	206
E-Community Activity: Working with Adults	207
E-Community Activity: Participating in Activities	208
E-Community Activity: Being a Good Friend	209
Mentor Tip: Friendships	210
E-Community Activity: Developing Friendships	211
E-Community Activity: Locating a Career OneStop	213
E-Community Activity: Finding Resources and Support	214
PART III:	045
WHERE TO GO FROM HERE	215
CHAPTER TWELVE: Share your story.	217
E- Community Activity: Share Your Views on Success	218
E- Community Activity: Share Your Views on Goals	219
E- Community Activity: Share Your Views on Abilities E. Community Activity: Share Your Views on Strategies	220 221
E- Community Activity: Share Your Views on Strategies E- Community Activity: Share Your Views on Technology	221
E- Community Activity: Share Your Views on Working Hard	223
E- Community Activity: Share Your Views on Support Network	224
CHAPTER THIRTEEN: Sample Documents	225
Sample Mentor Guidelines	227
Sample Protégé Guidelines	231
Sample Mentor Application	235
Sample Parent/Guardian Consent	237
CHAPTER FOURTEEN: Resources and Bibliography	239
Electronic Resources	239
Bibliography	242
INDEX	249

PREFACE



Opportunity is missed by most people because it is dressed in overalls and looks like work.

— Thomas A. Edison —

We all have defining moments in our lives. However, much of our development comes through small, incremental steps in which friends, parents, teachers, and counselors play roles. As mentors, caring adults may have established long-term relationships with us and promoted our success. Many seemingly inconsequential interactions shaped who we are now and who we will become.

Although most of this networking develops informally, supportive relationships can be *intentionally* promoted. This book tells how to create and sustain an electronic community designed to support teens with disabilities. Strategies and content can be easily adapted to other populations.

The personal stories, mentoring tips, and activities for teens with disabilities included in this book can be used in an online mentoring community (also called an electronic mentoring community or e-mentoring community) to promote success in school, careers, and other life experiences. It includes steps that lead to a happy, healthy, successful future for anyone, regardless of the presence of a disability. In the community of young people and mentors described in this book, key questions are asked, but simple answers are not provided. It is a place where everyone can find opinions that reflect their own as well as alternative views. Online discussions help participants more fully understand themselves, as well as individuals and systems with whom they interact, as they chart their own course to success.

The set of strategies presented in this book has its foundation in the large body of research and practice in the areas of

- success,
- self-determination,
- transition,
- mentoring,
- peer support,
- community building, and
- electronic communication.

We know too well that postsecondary academic, career, and independent living outcomes for people with disabilities are discouraging. We often hear about the problems young people with disabilities face—physical obstacles, social rejection, academic failure, unemployment, drug abuse, and medical crises. Much research focuses on identifying these problems and then developing specific strategies for overcoming them. This approach is consistent with research and practice regarding adolescents from other high-risk groups, which concentrate on helping youth avoid identified problems—pregnancy, drug abuse, high school dropout, criminal activity, academic failure, gang membership—or deal with these problems once they exist. In contrast, this book presents strategies that contribute to the overall positive development of youth, which will also help them avoid many types of problems in the future, as well as successfully deal with those they ultimately face.

After all, some people *do* overcome significant challenges and lead successful lives. What does success mean to them, and how do they achieve it? What internal characteristics do these individuals possess, and what external factors have been present in their lives? What advice do they have for helping young people build personal strengths to overcome the challenges they face now, as well as those they no doubt will face in the future? How can these individuals with relevant insights be brought together with young people with disabilities as they travel the road to adulthood? How can long-term relationships with mentors and peers help young people develop into competent, contributing, and content adults? How can successful strategies be applied in an online forum?



Sheryl Burgstahler advises a DO-IT Ambassador.

Overview of this Book

This book and the complementary video series, *Taking Charge: Stories of Success and Self-Determination*, explore positive internal characteristics and external factors that contribute to success—personally, socially, spiritually, academically, and professionally. These factors can be used to provoke thought and promote interaction between teens and caring adults.

The book also tells how you can set up a mentoring community on the Internet where

young people and their mentors share ideas that contribute to a successful transition to adult life. A complementary video for this book, *Opening Doors: Mentoring on the Internet*, shares reports from teens and mentors who have participated in a successful e-mentoring community sponsored by DO-IT (Disabilities, Opportunities, Internetworking and Technology). Another video, *How DO-IT Does It*, shares details about the *DO-IT Scholars* program, within which this mentoring community is one strategy to help teens with disabilities achieve success in postsecondary education and careers.

Another complementary video, *DO-IT Pals: An Internet Community*, tells teens how to gain maximum benefit from and have fun in an electronic mentoring community. It also invites teens with disabilities to join the *DO-IT Pals* online community.

If you wish to set up your own electronic mentoring community, follow the instructions provided in Part I of this book and then choose online activities from Part II that are most appropriate for your participants. The discussion exercises described are targeted to college-bound teens with disabilities high school students for whom a technical college, community college, or four-year institution is part of their future plans. However, activities can be easily modified for teens without disabilities, individuals at other age levels, and young people with different goals. For students whose reading level is low, speech output software can be used to read the messages aloud, or the student can work with an assistant side by side. The content of this book can also be

The following video presentations complement the content of this book:

- Taking Charge 1: Three Stories of Success and Self-Determination
- Taking Charge 2: Two Stories of Success and Self-Determination
- Taking Charge 3: Five Stories of Success and Self-Determination
- Opening Doors: Mentoring on the Internet
- How DO-IT Does It
- DO-IT Pals: An Internet Community

These presentations can be freely viewed online at http://www.washington.edu/doit/Video/ or purchased from DO-IT in DVD format.

used to stimulate in-person conversations and activities within your home, community group, summer camp, or classroom.

In this book you will not find the stories of movie stars, international leaders, or other celebrities. Although the content is based on personal experiences of successful people with disabilities, all of the people represented here would not be considered superachievers in all areas of their lives. You'll hear the stories of everyday people striving for the best life has to offer. This book highlights advice from people who confront barriers as challenges rather than deterrents, who find insight and humor during trying times. It shares some of the attitudes, skills, and strategies that have contributed to the success of people with a wide range of disabilities, abilities, experiences, and personalities. The experts who provide the major content for this book share their dreams, goals, challenges, successes, and frustrations. They tell about their experiences and give advice about how to successfully transition from high school to college, careers, and independent living. Perhaps their stories will provide inspiration as you help those around you define and achieve success for themselves.

In short, this publication is

- a how-to book for setting up an electronic mentoring community.
- an invitation to recruit teens with disabilities to the *DO-IT Pals* online program.
- a collection of activities to help teens with disabilities develop self-determination skills and transition to college, careers, and independent living.
- a place where you will gain insights from successful individuals who have met and continue to meet life's challenges, including those imposed by disabilities.

History and Current Trends Regarding People with Disabilities

For much of the content of this book, experts—people with disabilities who have been successful in academic studies and/or careers—were consulted. There are few publications like this in which the voices of people with disabilities are heard. Why is this the case? At least a partial answer lies in the history of isolation, exclusion, and dependence of people with disabilities (Fleischer & Zames, 2001).



Exclusion and Dependence

In early times, children born with disabilities were hidden and sometimes even killed. Feelings of shame and guilt were often associated with giving birth to a child with a disability. Sometimes the disability was blamed on sins of family members. Even as people with disabilities became more accepted, society viewed disability as a personal tragedy with which the individual and family must cope. Feelings of pity and actions

of charity were typically evoked in others. Even successful individuals such as Franklin D. Roosevelt tried to hide their disabilities. Early on, organizations focused on the prevention and cure of disabilities. Successful funding campaigns, even to this day, often share images of helpless children with disabilities apparently doomed to a miserable life. In the 40s and 50s parents organized and advocated for education and services for their children with disabilities, but the children were not routinely encouraged to advocate for themselves. Children with disabilities rarely encountered successful adults with disabilities.

Civil Rights and Accommodations

The impact of the return of disabled veterans after World War II and the fights for civil rights of women and racial and ethnic minorities contributed to changing perspectives on disability in the United States. Growing numbers of people with disabilities and their advocates saw that it was not disability but rather an inaccessible environment and the negative attitudes of others that were the greatest contributors to the restrictions they encountered. Their view that access to programs and services was a civil right led to legislation that included the Architectural Barriers Act of 1968, the Rehabilitation Act of 1973, the Education of All Handicapped Children Act of 1975 (later updated and renamed the Individuals with Disabilities Education Act, IDEA), and the Americans with Disabilities Act of 1990 (ADA). These and other laws mandate that people with disabilities have full access to education, transportation, technology, employment, and other life experiences. Sometimes this requires that reasonable accommodations be made.

Universal Design and Diversity

Although buildings are now built with accessibility features as part of the original design, only recently has the concept of universal design been promoted in the development of technology, learning environments, services, work sites, and information resources (Burgstahler, 2001b). When universal design principles are applied, environments, programs, and resources are

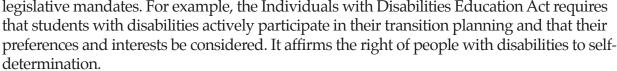
accessible to people with a broad range of abilities, disabilities, and other characteristics, minimizing the need for special accommodations. Widespread applications of universal design can ultimately lead to a world that is more accessible to everyone. They support the full inclusion of people with disabilities and other underrepresented groups in recognition that diversity is a neccesary condition for excellence in education, employment, and social settings.

Self-Determination and Independence

The content of this book is supported by decades of research and scholarship that tell us about how individuals with different types of disabilities lead challenging and rewarding lives. Simply put, this book is about self-determination. But what is self-determination? There are many definitions from which to choose. The following definition (Field, Martin, Miller, Ward, & Wehmeyer, 1998, 1999) provides a foundation for the content of activities in this book.

Self-determination is a combination of skills, knowledge, and beliefs that enable a person to engage in goal-directed, self-regulated, autonomous behavior. An understanding of one's strengths and limitations together with a belief in oneself as capable and effective are essential to self-determination. When acting on the basis of these skills and attitudes, individuals have greater ability to take control of their lives and assume the role of successful adults. (Field et al., 1998, p. 2)

The Council for Exceptional Children (CEC), along with many other professional organizations and parent groups, embraces instruction in self-determination as a way to improve academic and career outcomes for youth with disabilities. Self-determination is also promoted in



Gaining control over one's life involves learning and applying self-determination skills. These include self-awareness, goal-setting, problem-solving, and self-advocacy. The personal process of learning, applying, and evaluating these skills in a variety of settings is at the heart of self-determined behavior that leads to successful transitions to adulthood. The activities in this book provide opportunities for young people to reflect on their own experiences as well as learn and practice self-determination skills. They share the lessons learned by those who are successfully traveling the road to self-determined lives and provide a model of how young people can be guided toward self-determined behavior within an online mentoring community. Although not a comprehensive course on self-determination, the activities in this book are consistent with the performance-based standards for the preparation of special educators adopted by the National Council for Accreditation of Teacher Education (2002) for program accreditation. Examples of characteristics of special education teachers that directly address components of self-determined behavior noted in this report include:

E-Mentoring

- "enhance the learning of critical thinking, problem solving,...." (p. 2)
- "increase their self-awareness, self-management, self-control, self-reliance, and self-esteem." (p. 2)
- "emphasize the development, maintenance, and generalization of knowledge and skills across environments, settings, and the lifespan." (p. 3)
- "foster....positive social interactions, and active engagement,...." (p.3)
- "encourage the independence, self-motivation, self-direction, personal empowerment, and self-advocacy..."(p.3)
- "develop a variety of individualized transition plans, such as transition from preschool to elementary school and from secondary settings to a variety of postsecondary and learning contexts." (p. 4)
- "use collaboration to facilitate the successful transitions...." (p. 6)

Growing evidence suggests that enhanced self-determination skills enable students with disabilities to perform more effectively in academic studies and thus support the goals of No Child Left Behind legislation and standards-based school reform. In addition, many state standards for students include elements of self-determined behavior such as goal setting, problem solving, and decision making. There exists a wide variety of self-determination curricula; some can be located by consulting the resources and bibliography in Chapter Fourteen of this book. The activities in this book were developed after a comprehensive literature review, with special attention given to the self-determination curriculum that has been field-tested (Test, Karvonen, Wood, Browder, & Algozzine, 2000).

Developing self-determination skills within an online mentoring community has limitations. It is recommended that the activities in this book be augmented with opportunities to apply what is learned. Teachers, parents, and other caring adults can help young people by providing opportunities for choice, problem solving, and decision making. For very young children, letting them choose between several books to read, games to play, or clothes to wear may be appropriate; as they grow older, opportunities for greater control should be provided. The key is steady growth in the number and complexity of choices they can make that affect their lives.

DO-IT

In 1992, with a grant from the National Science Foundation, I founded DO-IT at the University of Washington. DO-IT has grown from that seed into a collection of projects and programs that help young people with disabilities successfully pursue college and careers, using technology as an empowering tool. The disabilities of participants in DO-IT programs include sensory impairments, mobility impairments, attention deficits, and learning disabilities. DO-IT also helps educators, technology staff, librarians, and employers create academic offerings, information resources, and employment opportunities that are accessible to people with disabilities. (Burgstahler, 2006a, 2003a; Kim-Rupnow & Burgstahler, 2004)



My motivation to create DO-IT drew from both personal and professional experiences. My relationship with a family friend who was developmentally disabled taught me at a young age that no single set of criteria should be used to measure success. From my years as a middle and high school teacher I gained insight into the challenges teens face as they move toward adult life and the corresponding challenges caring adults face as they try to help them on this journey. Personal experiences with young people and adults with disabilities taught me that the low expectations and negative attitudes of others create the greatest barriers to success for people with disabilities and that facing the challenge of a disability is too often an isolating experience. My close relationship with a child who is quadriplegic revealed the doors that can be opened with assistive technology, telecommunications, and alternative strategies for reaching goals. My roles as an aunt and as a mother created my greatest interest in exploring how we can help children define success for themselves and develop the beliefs, attitudes, and skills they need to set and reach these goals.

DO-IT is a collection of projects and programs to increase the number of people with disabilities who

- use technology as an empowering tool.
- communicate with peers and mentors in a supportive electronic community.
- develop self-determination skills.
- succeed in postsecondary education and employment.
- pursue careers that were once considered unavailable to them, such as science and engineering.
- have opportunities to participate and contribute in all aspects of life.

Most of the stories and advice presented in this book belong to DO-IT Scholars, Pals, Ambassadors, and Mentors. DO-IT Scholars are college-bound high school students with disabilities who are self-motivated, are successful in school, and show leadership potential. Their disabilities include mobility impairments, visual impairments, hearing impairments, learning disabilities, attention deficit disorders, speech impairments, and health impairments. Scholars attend at least two residential Summer Study programs at the University of Washington in Seattle. They are introduced to college life, resources,

Life Stages of DO-IT Participants			
<u>Level</u>	<u>Participants</u>		
High School	DO-IT Scholars DO-IT Pals		
College	DO-IT Ambassadors DO-IT Mentors		
Careers	DO-IT Ambassadors DO-IT Mentors		

and academic studies and develop self-determination skills. They participate in internships and other work-based learning experiences that prepare them for career success.

With computers and assistive technology, they use the Internet to access information and communicate with others in a stimulating electronic community. High school graduates who continue to participate as *DO-IT Scholar* alumni become *DO-IT Ambassadors*. As *Ambassadors*, they mentor younger *Scholars* and contribute to DO-IT efforts in many ways. The community also includes *DO-IT Mentors*—other college students, faculty, and professionals in a wide variety

of fields, many of whom have disabilities themselves. *DO-IT Pals*, college-bound teens with disabilities from around the world who wish to participate in our online mentoring community, have joined the DO-IT family as well. The success of this approach where young people and adults share their views in a mentoring community motivated me to include the perspectives of a large group of people with disabilities in this book.

During the more than a dozen years I have initiated and directed DO-IT's successful electronic community, I have often been asked by other program directors how to design and support their participants through similar online interactions. It is easy to describe the basic scheme. But attention to myriad details and ongoing operations makes the system work. This book shares both the process and examples of the content of DO-IT's electronic community in a way that lessons learned can be applied in other circumstances and with different audiences. The fact that our participants have disabilities, for example, is just one characteristic of our target audience. The basic concepts and activities can be tailored to any group of teens, or, with some modifications, they can be used with younger students, with adults, or with students from other groups facing special challenges due to racial/ethnic background, gender, or socioeconomic status.

The Role of Technology in Creating this Book

Most of the personal stories, online activities for teens, and tips for mentors included in this book were collected over the Internet. To complete this work, I sent questions via electronic mail to *DO-IT Scholars*, *Pals*, *Ambassadors*, and *Mentors* and to some participants with disabilities in other programs funded by the Mitsubishi Electric America Foundation. Contributions were returned in email messages. Those who are blind used speech and Braille output systems to read my requests. Those with mobility impairments used specialized software and alternative keyboards to enter their contributions. For those who have difficulty communicating face to



face because of speech or hearing impairments, their disabilities did not impact their participation in these Internet-based communications.

Responses to requests for input were numerous and lengthy. I edited the original messages to fit the material into a book of reasonable length. I attempted to capture the essence of each contribution.

What You'll Find in this Book

The chapters in this book take you on a journey of discovery, looking at success and self-

determination from a variety of perspectives and learning how students with disabilities can be supported within an online mentoring community. The book is divided into three main sections.

PART I addresses the philosophy and purpose of online mentoring. It tells how to establish the community, recruit and train mentors and protégés, provide guidelines for participants, and initiate online discussions. Complementary videos reinforce this content.

PART II is organized around seven recommendations that were synthesized from hundreds of responses from the young people and adults with disabilities who contributed to the content (Burgstahler, 2006c):

- 1. Define success for yourself.
- 2. Set personal, academic, and career goals. Keep your expectations high.
- 3. Understand your abilities and disabilities. Play to your strengths.
- 4. Develop strategies to reach your goals.
- 5. Use technology as an empowering tool.
- 6. Work hard. Persevere. Be flexible.
- 7. Develop a support network. Look to family, friends, and teachers.

Each chapter contains the text of messages to support an online community. Each can be sent by a program administrator to mentors alone or to mentors and protégés together.

PART III presents protégés and mentors with a forum to share their own stories and experiences and suggests additional resources for participants and administrators.

How to Use this Book



This book is designed for use by a parent, guardian, teacher, or program administrator searching for strategies to help young people with disabilities gain the skills they need to lead successful, self-determined lives. Specific guidelines are included for setting up and supporting a mentoring community on the Internet. If you do not have access to the Internet at home or school, explore Internet access options at your local library. Once the technical aspects of the community are dealt with and the participants

identified, the electronic community administrator should choose mentoring tips and online activities that are appropriate for the people with whom they work. Although the online activities are presented in a logical order, they can be used in any order appropriate for the target audience.

Completing the activities presented in this book will help precollege students with disabilities identify their strengths and challenges and develop skills for success in all areas of their lives. If you are not in a position to create and support an electronic community, consider using the activities in a classroom, computer lab, summer program, or other setting, with or without computers. Activities can be completed independently but are more stimulating when a young person works with a fellow student, mentor, or other adult. In a group with their peers, even reluctant learners choose to participate. Sharing responses and ideas in a small group stimulates a rich discussion once participants realize there are no right answers and everyone's opinion has value.

How to Download or Purchase this Book and Complementary Videos

It might be helpful for you to have electronic copies of the exercises for modification and application in your setting. The most current electronic copy of these materials can be found at http://www.washington.edu/doit/Mentor/. Videos that complement the content of this book can also be found there for free online viewing; trainers can freely download copies of videos to project from their own computers by directing requests to doit@u.washington.edu. Other DO-IT videos can be viewed at http://www.washington.edu/doit/Video/.

Copies of the printed book and videos can also be purchased from DO-IT. Details can be found at http://www.washington.edu/doit/Brochures/Order/. Free DO-IT publications can be found at http://www.washington.edu/doit/Brochures/.

Sheryl Burgstahler, Ph.D.
Founder and Director, DO-IT
College of Engineering and Computer Science
Computing & Communications
College of Education
University of Washington