

Cognitive Support Technologies ...The Missing Link

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Cognitive Support Technologies

Helping to Build Independence for :

- Individuals with Intellectual and Developmental Disabilities
- Individuals with Traumatic Brain Injury
- Seniors experiencing problems with memory
- Anyone learning a complex or difficult task

Cognitive Support Technologies

Individual Profiles:

Heather

Michael

George

Environments that may require Cognitive Support

Academics

Computer Use

Community Inclusion

Community Living

Leisure

Employment

Communication

Self-regulation

Mobility

Environmental Control

What is CST ?

Here, cognitive support refers to the assistive aspects of technology that enhance the mental capabilities and avoid the limitations of users.

Functions of CST...

Alert a person

Give information in manageable increments

Give personalized directions

Give feedback about performance

CST: Research-Based Interventions

Specific Studies....

Money management

Decisions about transition

Using an ATM

Making decisions within a task sequence

Learn new computer skills

Express job preferences

Use the Internet more independently

Choose foods for menu planning

Follow a schedule

CST: Research-Based Interventions

General Categories of Focus....

Access to mainstream/everyday technologies

Computers

Web

Email

Cell Phones

Prompting

Schedule based

Task based

Smart Living

Survey tools for self-determination

Results of the Research

Fewer external prompts

Fewer errors

More tasks successfully completed

More complex tasks

People Who Use CST Can...

- Stay on track while on the job or at school
- Follow and stay on schedule.
- Maintain communication with:
 - family members,
 - friends,
 - caregivers
- Simplified Access to:
 - computer desktop,
 - internet
 - e-mail

CST can decrease...

Need for prompts
Number of errors
Need for support
Cost of care
Caregiver fatigue

CST can increase...

Independence

Accuracy of task-completion

Self-management

Self-instruction and monitoring

Self determination

Autonomy

Social acceptance

For More Information on CST

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