The Eyes Have It!   Wendy L. Buckley, M.Ed., Ed.S

Eye Gaze Technology
Eye tracker device detects and follows eye movements
Provides mouse control: click, double-click, drag on a computer with
Windows operating system

This presentation focuses on myGaze Eye Tracker by Visual Interaction,
packaged with software from Inclusive TLC. Other manufacturers include
Tobii and LCTechnologies

User positioning is key. Consider screen height, location, positioning,
environmental clutter and lighting.

Training is essential. Work on visual skills, fixation, recognition of objects,
preferences, and making choices.
Tracking Activities: Objectives
        Visual attention – follow single to multiple moving images
        Directional visual tracking
        Assess preferences for size, color, type of image
        Visual tracking – simple to complex
Analysis and Interpretation
        Can the user attend to screen?
        Initiate interaction?
        Sustain attention?
        What colors result in the most attention?
        Does the user attend to images with more or less detail?
        Moving shapes vs. moving characters
        Does the user track equally in all directions?
Fixating Activities: Objectives
        Visual attention with fixation on a single image
        Cause & effect using eye control
        Initial skills for dwell selection
Analysis and Interpretation
        Can the user sustain attention on a single object for short periods?
        Does the user demonstrate a preference for certain images or
        patterns?
        Does the user demonstrate awareness of features of an image?
        Does the user demonstrate understanding of cause & effect?
Locating Activities: Objectives

Using vision to experience, interact, create
Early cursor control
Purposeful cursor movement
Analysis and Interpretation
Can the user communicate a preference?
Can the user sustain concentration for a longer period?
Can the user look at and explore the entire screen?
Can the user explore the screen to interact with objects?
Does the user demonstrate emerging awareness of control by looking?
Insight: Online subscription
Provides objective and detailed measurement and analysis of early visual and cognitive behaviors using eye gaze technology through intelligent analytics.
Content and Practical Use
Online Activities
HelpKidz Learn
ChooseIt! Maker 3
Boardmaker Interactive Activities
PowerPoint Activities & Books
Clicker 7
Communication
Resources
Inclusive Technology Guidebooks
http://www.inclusivetlc.com
Eye Gaze in the Classroom
Attention and Looking
Exploring and Playing
Choosing and Telling
How to Use myGaze® with HelpKidzLearn
Unlocking Abilities Guides
http://ilc.com.au/unlocking-abilities/
An Introduction to Eye Gaze Devices
Assessment and Setup for Eye Gaze Device Use
Keys to Developing Eye Gaze Skills
Software for Developing Eye Gaze Skills
Eye Gaze Monitoring Sheets

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