How to use myGaze® with HelpKidzLearn
Setting up myGaze

Setting up myGaze for an individual is simple. Mount the eye tracker and connect to computer.

Double click on shortcut to launch eyeMouse Play

Use the positioning guide to get the screen and eye tracker in the right position. The white ovals represent your eyes. When the ‘glasses guide’ turns green, you are in the right position.

A “1 Point” calibration will be accurate enough for most individuals playing HKL activities. Select Calibrate and look at the dot on the screen - you are now calibrated and ready to eye gaze.

NB: If you find the eye tracker is not responding in a way you expect, check your positioning/try more calibration points for greater accuracy.
Controlling the mouse with eye gaze

Using myGaze eyeMouse Play enables you to access a wealth of software.
If you can control the software with a mouse, then you can also control it with eye gaze.
It is useful to think about how that software is normally used with a mouse when setting up for eye gaze.
Select an icon from the menu to:
• Pause - to look round the screen or take control with the mouse.
• Check your position.
• Select single or Double mouse click.
• Click and hold.
• Change settings and calibrate.
• If no icon is selected you will have cursor movement only.
Software that works with the mouse cursor only is the easiest to use with eye gaze. Just move your eyes around the screen to have an effect. If no icon is selected you will have cursor movement only.

Simple “point and click” activities also work well. Users have to dwell on an area to select it, but you can make this easier if you shorten dwell times.

Activities for which you would normally keep your mouse button down and drag, or use your finger on a touch screen to make a mark can use the “click and hold” setting.

Many of our activities are now eye gaze enabled making it easier to select active areas and adjust the dwell time within the activity. If no icon is selected you will have cursor movement only.
It is also useful to play around with dwell duration or click times in Settings.

Select a short dwell time for easier access/cause and effect type activities (e.g. 0.1s - 0.6s).

Select a slightly longer dwell click time for choosing activities (e.g. 0.8s - 1.2s).

NB: You can set up keyboard shortcuts to alter dwell duration - useful for quickly altering whilst within an activity.
Cause and Effect

Using eye gaze with these activities allow users to explore and play activities independently.

Dwell time very short (0.1s).

Cursor Only

- Early Mouse Movements
- Hidden Grid
- Big Bang Patterns
- Big Bang Pictures
- T-Rex Build Up
- Peeping Musicians
- Talking Clock

- Early Years
- Games
- Stories
- Creative
- Find Out
Communication

Dwell time very short (0.1s).

Hear the next verse of the song or see what happens next in the story by just looking at the screen. These activities are also useful for early Eye Tracking (i.e. seeing what the user is looking at during an activity).

Five Big Dinosaurs  Five Superboys  Five Little Rock Stars  Five Little Aliens  Car Wash  Five Little Firefighters  Five Sharks Swimming  How we used to wash  Goal!!!

Swooping Pterodactyls  Destructive Digger  Flippers and Fins  The Chicken House  A Rainy Day  Catch that Crook!  The Snow Family  Clean your Teeth  Five Little Monkeys

Cursor Only

Choose cursor only for our new eye-enabled activities, and adjust the dwell time within the activity settings. If no icon is selected you will have cursor movement only.

Five Speckled Frogs  Sensory Room  Five in the Bed  Five Singers

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**Turn Taking**

Dwell time short (0.1 - 0.6s).

These activities can be used to practice selecting 2 targets on screen or for turn taking with another player using a mouse or touch screen.

- Shhhh!
- Big Trucks
- Bumper Cars

**Attention**

These activities can be used to engage and maintain attention on screen. As these activities have an element of timing, choose the “slow” or “easy” settings to make them achievable with eye gaze.

- Pop the Bubbles
- Gophers

**Cursor Only**

Choose Cursor only for our new eye-enabled activities, and adjust the dwell time within the activity settings if needed. If no icon is selected you will have cursor movement only.

- Matching Cards
- Touch to Jump
**Choice Making**

Dwell time variable (0.1s - 1.0s).

All these activities introduce an element of choice making in a fun way. They can be used to improve targeting skills and are great pre cursors to more formal communication and grid access. Depending on the size of targets, some activities will work better with a slightly longer dwell time.

**Cursor Only**

Choose Cursor only for our new eye-enabled activities, and adjust the dwell time within the activity settings. If no icon is selected you will have cursor movement only.