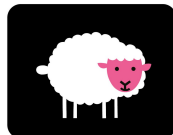


# FROM TABLET APP TO PAPER AND CRAYONS, AND TO THE REAL WORLD

## WORK WITH EDA PLAY APPLICATION IN CONNECTION WITH WORKSHEETS AND PERCEPTION OF REAL OBJECTS AND SITUATIONS

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### TRAINING OF VISUAL AND FINE MOTOR SKILLS: LET'S TOUCH THE DISPLAY AND MAKE THINGS HAPPEN

The applications offer specific tasks of various levels of difficulty, with several user options. Children control the application by a simple touch



on a screen, following the trail with a finger etc., so that children with multiple impairments are motivated to train their fine motor skills. The applications contain a Skills section, which records the progress of the child's skills on the application. All applications simulate the most common visual impairments, such as blurred vision, nystagmus, hemianopia, photophobia, and visual field defects.



### TRAINING OF MOTOR SKILLS AND COMMUNICATION: LET'S PLAY IN THE REAL WORLD

The parent and the child play together, the child engages (touches the screen and causes change), can watch what happens, and can enjoy the game. The parent can comment, together they can return to the game even in a real situation. Tasks from the application can be repeated both in the real world or in a play setting. Application tasks can support communication (the ability to express experiences and

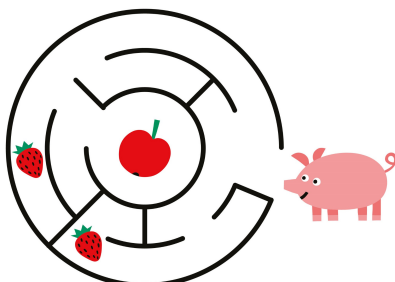
emotions). Parents can talk with children about the plot of the game and at the same time, they can practise describing game scenes.

Application tasks can motivate and inspire parents with ideas for everyday activities and play situations with children (having a bath, getting dressed, baking a cake, making a milk shake). By seeing the activity on display the child is motivated to do the same activity in real life (mixing porridge in a pot, scooping it with a spoon, slicing a cake, putting strawberries in a blender, putting a cat in a basket, etc.).



### TRAINING OF SKILLS VIA PAPER WORKSHEETS: LET'S DRAW A PICTURE OR POINT AT SOMETHING IN THE PICTURE

In addition to the applications, we have developed worksheets with play activities in real life: pictures on a contrasting background and pictures with a wide outline may be used for drawing, paper cutting, gluing, and having fun together with parents and siblings. Parents are active guides, they can describe what can be seen on the picture,



their commentary will help the child to better understand the visual perception and may help children keep their attention focused. The worksheets are designed to focus on a variety of topics in a child's daily life and with regard to children's visual, motor and cognitive skills, from simple images with a strong outline to more complex images with multiple shapes and more demanding tasks.

### WHO WE ARE

Early Intervention Center EDA is a non-profit institution that has developed five applications: EDA PLAY, EDA PLAY TOBY, EDA PLAY PAULI, EDA PLAY ELIS and EDA PLAY TOM.

The applications are designed for the visual training of children with visual disorders and impairments. All pictures in the applications are rendered against a black background in bold colours and understandable shapes. Children can focus their attention on the picture and observe the changes after touching the display.

We follow the recommendation of the American Academy of Pediatrics regarding the usage of screens, especially for very young children, to shift the focus from "what is on the screen" to "who else is in the room".



### DEVICES AND ADAPTATIONS

The EDA PLAY applications are designed for iPad devices. Additionally, the EDA PLAY TOBY, TOM, PAULI, ELIS applications also work on Android systems. All EDA PLAY applications are available in English as well as in Czech. The website supporting the applications is also available in both languages. There is no voiceover on either the EDA PLAY TOBY and EDA PLAY TOM app. These two applications can be played with children around the world.

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The EDA PLAY applications help children train their vision and fine motor skills. These games are designed by low vision and early intervention specialists and meet the needs of children with visual impairments, especially children with CVI. The black background provides sufficient contrast, pictures in bold colours are designed without unnecessary details.

The non-profit organization EDA cz, z.ú. is an early intervention center in Prague, Czech Republic, which provides early intervention services to help the families of visually and multiply impaired children, from the child's birth up to 7 years of age.

