



EXAMINATION OF THE PLANNING, MAKING AND INTERACTIVITY OF THE POP-UP BOOK

(POSTER PRESENTATION)

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"Once upon a time" - the aphorism can be heard again and again. Every marvellous story, tale, legend starts with these words. It can be told by heart, read from a book or read aloud. Story books, where the written words came to life for adults and children. But can we create a visible, tangible stage that can be walked round for tales? The book is not only paper and words but a colourful scenery of the far-reaching, colourful pictures of the imagination.

The topic of our research is a historical introduction of 3D books, their structural examination and creating our own interactive 3D book. Our aim was to find a solution of printing these pop-up story-books. We examined the limits and difficulties of printing 3D books from making the pattern of structures used in the story –book to its fitting together.

We described how important the tale is in child-parent relationship because the strong confidence between them forms the basis of the child's self-development. Reading 3D books can make this relationship stronger. Opening the book they can stay on a scene longer, there is time to explain, to teach, to answer the questions.

The steps of making the 3D book can be traced from the birth of the story through the making of the model to the finished book. We examined different paper types to choose the right material. After appraising the paper examination we chose the material of the book's inside pages considering the expectations towards 3D books keeping applied printing technology in view. We made computer patterns to make the model then after the digital printing we fitted first the model then the finished 3D book together. We used a computer controlled cutting machine to cut the patterns of 3D elements avoiding manual cutting or producing expensive cutting patterns.

After making the model we examined marketability of the book. After presenting the book in nursery schools we surveyed the usability of the book according to the children opinion with the help of a questionnaire.

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