

# TACTILE BOOK

printing pictures for children  
with visual impairments  
by 3d printer



## TactilePicture Project

Tactile picture books are great for reading with young children. But they are hard and time consuming to make. We believe 3D printing holds the key to simplifying the making of tactile picture books.

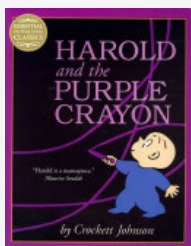
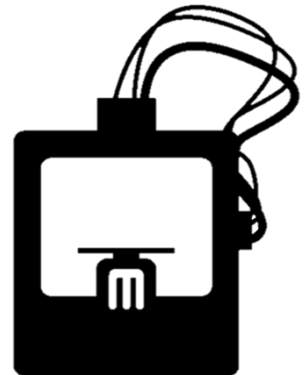
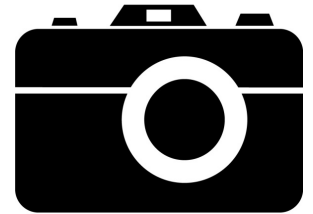
Our vision is that parents of visually impaired children will be able to use **3D printers** to design and print tactile picture books to read with their children at home. The easiest way would be for a parent to choose a book, take a picture of a page, send the picture to a **3D printer**, and the printer then prints out a **3D tactile** model. We are investigating the scientific, technical, and human issues that must be addressed before this vision can be fully realized.

Visit for more information:  
[tactilepicturebooks.org](http://tactilepicturebooks.org)

## Rapid Prototyping Class (CSCI 4830/7000)

This is a course about being rapid, under computer science department. In one semester, students will learn an array of tools and skills to **rapidly** create interface mockups, responsive web clients, web servers, mobile apps, and games. Students will be in a collaborative learning environment specially crafted to help you learn these topics **rapidly**.

As one of class challenges, students created a tactile book children with visual impairments can touch and feel. Class picked a book, **Harold and the Purple Crayon**. Each student designed one tactile page with 2d pictures of the book, and finally brought together as an entire tactile book.



## Harold and the Purple Crayon By Crockett Johnson

Harold and the Purple Crayon is a 1955 children's book by Crockett Johnson. This is Johnson's most popular book. It led to a series of other books, and inspired many adaptations. Let Harold and his purple crayon lead you on a

fantastic journey of the imagination. The beloved classic is now available as a board book, perfect for little hands at bedtime.



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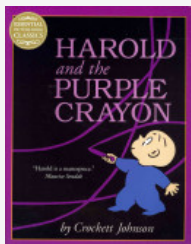
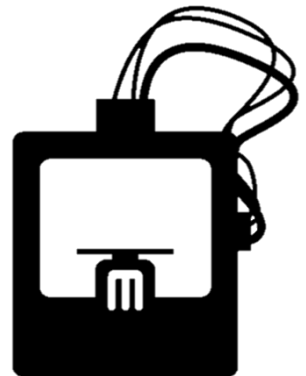
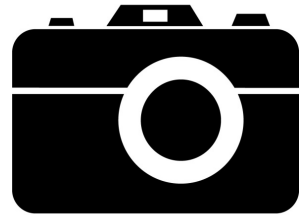
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