



# NEW HORIZONS

July 2023

Dear Readers,

We've been busy creating new books in tactile and Braille as well as digitally and are thrilled to introduce them. Special educators who've been proof-reading our new books have been giving us positive feedbacks and we are eager for the visually impaired children to experience them. In the July edition of New Horizons we are happy to share with you few key events at RLF.

## Students trained through Touch, Learn and Shine(TLS) Program

Under a CSR-funded program 'Eklavya', managed by Zeus Lalani, a student of Navrachna International School, Vadodara and guidance of Robin Hood Army, we donated our books to [Surbhi Lion's School for the Blind in Vadodara, Gujarat](#). Training sessions were held on June 24 and 25 at the school premises. The training session was attended by **57** students along with **8** teachers from junior and senior classes.

### What's in this Newsletter:

- [Impact of Touch, Learn and Shine](#)
- [Sexual & Reproductive Health](#)
- [The Making of Hero](#)
- [New Books in the Pipeline](#)
- [Logic Gates & Component Charts](#)
- [Digitally Accessible Books](#)

A detailed training on Geometry kit was also provided for the interested teachers on Mathematical constructions which are usually omitted for the visually impaired students owing to the difficulty in teaching it to them without the right teaching aids. The session on the use of the Geometry kit was also attended by teachers from Sankul School for the Blind, Vadodara.

The session was well received by the teachers and members of Project 'Eklavya' resulting in a fruitful training session.

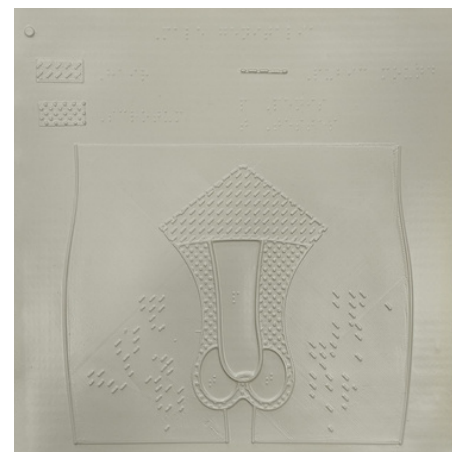


Students and teachers of Surbhi Lion's School, Gujarat attending our interactive training sessions

### Sexual and Reproductive Health awareness

Enfold Proactive Health Trust in Bangalore has been working on creating safe spaces for children. For their Sex Education awareness program, we designed 50 copies of tactile books on 'Human Sexual & Reproductive Systems'.

This book will be a part of Suvidha Sparsh kit that aims to impart knowledge on the basics of personal safety, sexual and reproductive health to children and adolescents with visual impairment.

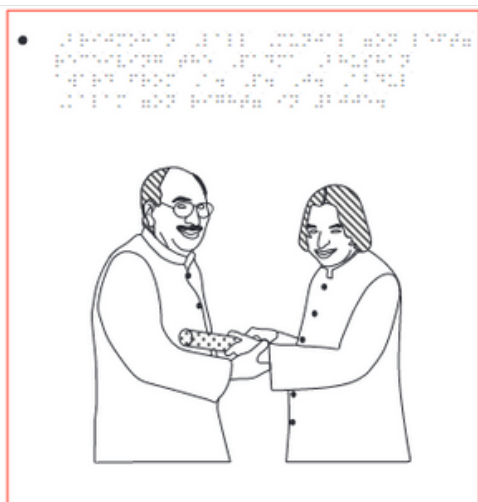


Tactile image of the male reproductive organs from the book

### The Making of Hero

Written by Sunil Kant Munjal, chairman of Hero Enterprise 'The Making of Hero: Four Brothers, Two Wheels and a revolution that shaped India' is a book on how the Munjal brothers, without any formal education or resources, worked and created a global manufacturing giant.

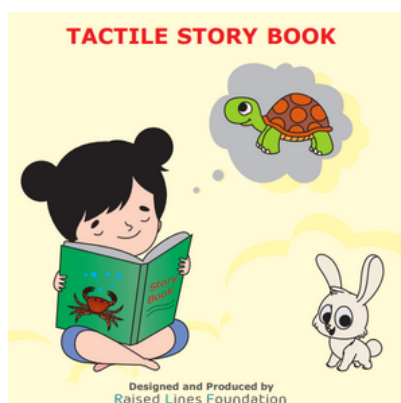
We are honored to have the opportunity to make the book available for the visually impaired community. Our team converted the entire book into Braille and the cover page into tactile. The book has a total of 240 pages which have been divided into 3 volumes. The tactile and braille edition developed by RLF is available in English and Hindi.



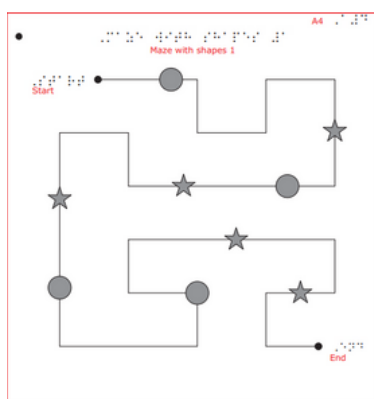
Tactile cover image of the book

## New books in six Indian languages

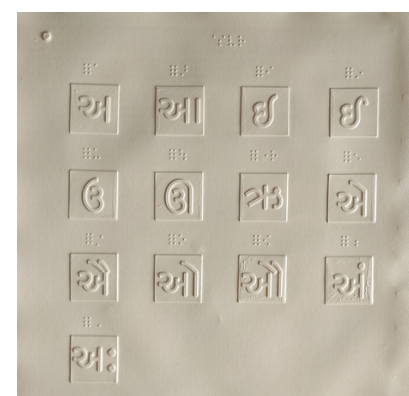
On request from several users we have been working on **Story books, Activity book and Alphabets and Number tactile book in 6 different languages.** The Story book consists of 10 short stories with tactile diagrams of the main characters and important objects followed by a descriptive passage and the story written in print as well as Braille. They will be available in *English, Hindi, Tamil, Telugu, Marathi and Bengali.* The Alphabets and Number book will aid students in acquiring a solid understanding of Braille and sighted language fundamentals. The language book will be available in Tamil, Telugu, Kannada, Marathi, Gujarati, Bengali and Urdu. The Activity book offers a delightful collection of interactive activities in tactile like following paths, solving counting puzzles, matching games, spotting differences and exploring crosswords, The books will be available for sale in August 2023.



Cover image of the story book



Path tracing from the activity book



Marathi alphabets in tactile

• **Electronic Components and Symbols**

Component Name	Symbol	Component
Resistor		
Capacitor		
Inductor		
Variable Resistor		
Light Dependent Resistor (LDR)		
Thermistor		

Electrical components chart

## Tactile logic gates and component charts

We are working with *National Centre for Assistive Health Technologies(NCAHT) IIT Delhi* to design two electronics related charts. The first chart encompasses tactile **logic gates** such as AND, OR, NOT, NOR, NAND, EXOR, and EXNOR. It also includes their corresponding truth tables and expressions in both braille and print formats. The second chart focuses on **electrical components and their symbols** in tactile form. There will be 2 versions of the charts - one in Swell technology and the other with Embossing. This chart will help readers familiarize themselves with the symbolic representations of various electrical components and further enhancing their comprehension of electrical circuits.

## Digitally accessible books provided to students

RLF reached out to visually impaired students pursuing their school education in Delhi for making their study material digitally accessible. We have collected **12** Books of Science, Mathematics and Computers ranging from class 4 to 12. **Digitally accessible version of the books are now being provided to the students** and will be made available on Sugamya Pustakalya. These books are in e-Pub format and can be read using apps like thorium reader and dolphin easy reader.

## Raised Lines Foundation (RLF)

RLF is a not for profit startup from IIT Delhi with the sole mission of empowering persons with visual impairment and enabling them to pursue subjects and careers of their choice.

### What We Do

- Design and produce **tactile books** covering all children books to curriculum books.
- Convert handwritten, printed and digital **documents into accessible formats**.
- Make images accessible through **image descriptions and tactile diagrams**.
- Manufacture **teaching-learning aids** and **educational accessible games**.
- Special focus on content related to **STEM education**

### Connect with Us

If you know any person with visual impairment or an  
organization or school  
who may benefit from our solutions  
or

If you want to support persons with visual impairment,  
please connect with us:

**[rlf@raisedlines.org](mailto:rlf@raisedlines.org), +91-8929669336**

To know more about our work, please visit our website:

**[www.raisedlines.org](http://www.raisedlines.org)**

### To donate for our cause

