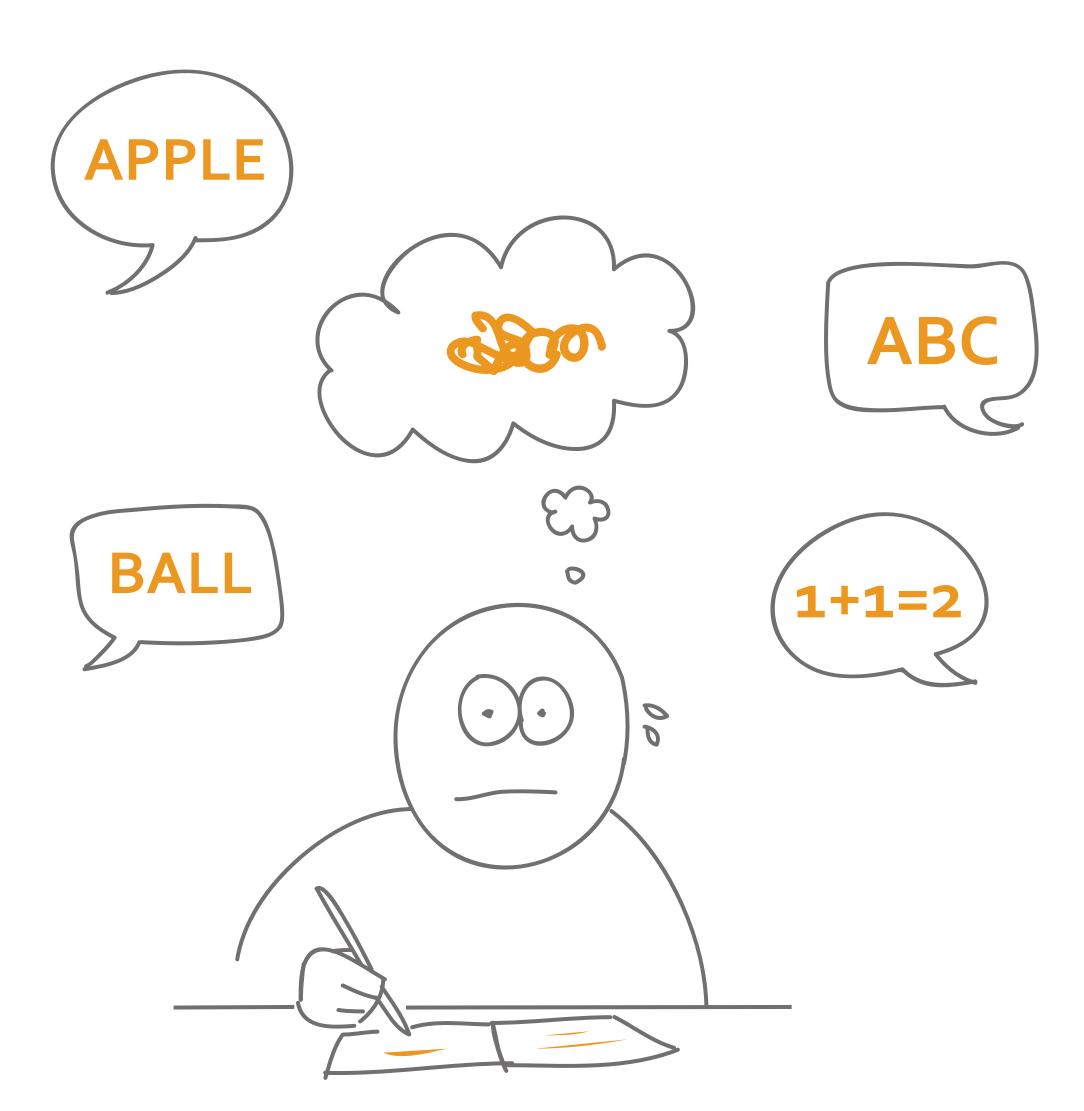
Dyslexia

Project Guide: Prof. Nina Sabnani

Project done by: Keerti Chowdhry 136340001

Knowing Dyslexia

- Common perceptions
- In-depth study





There is an acute difficulty in decoding the written word. People suffering from Dyslexia are also often unable to comprehend what they just read.

Dyslexia is a neurological disorder, often with genetic origins.

Lorem ipsum dolor sit amet,

enim ad minim veniam, que esse cillum dolore eu fugiat nulla Duis aute irure dolor in reprehentempor incididunt ut labore et do Lorem ipsum dolor sit amet, consconsectetur adipiscing elit, sed dut enim ad minim veniam, quis exercitation ullamco laboris nice cillum dolore eu fugiat

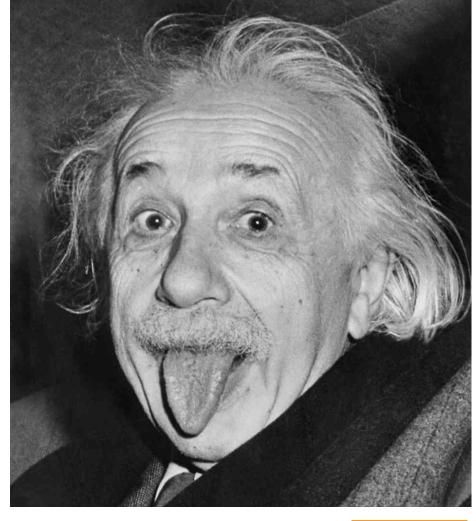
Findings from a research in MIT spearheaded by Gadi Geiger and Jerome Lettvin prove dyslexic people to have better peripheral vision than normal people.

Upsides



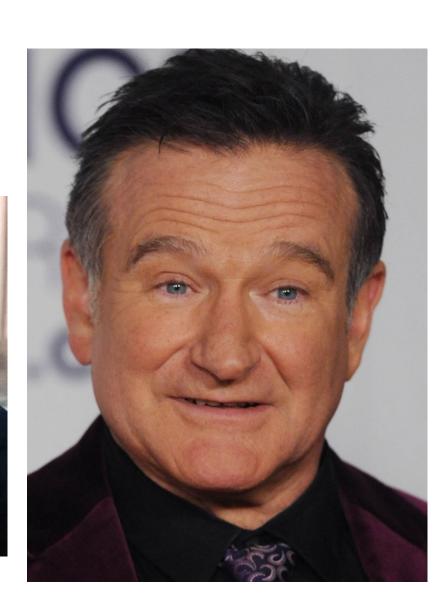












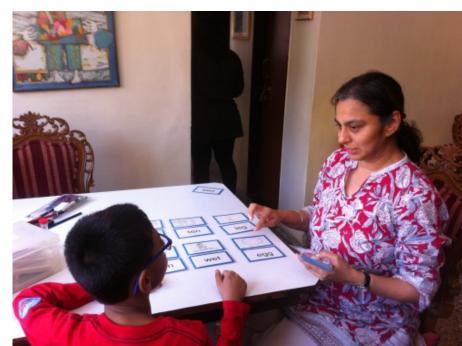


Sources & Findings











child development center

- Audio over written preference
- 'Big Picture' viewers
- Difficulty in comprehension
- Many 'Specific' learning disabilities
- Indian scenario



Sources & Findings











child development center

- Audio over written preference
- 'Big Picture' viewers
- Difficulty in comprehension
- Many 'Specific' learning disabilities
- Indian scenario

Problem Areas Writing, forming letters

Problem Areas

Remembering spellings & comprehension

Understanding poetry, indirect speech

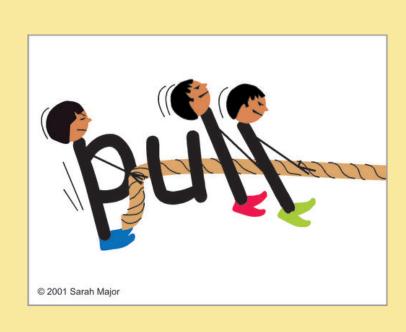
A writing app to train the fine motor skills of writing for children of 4-8 years.

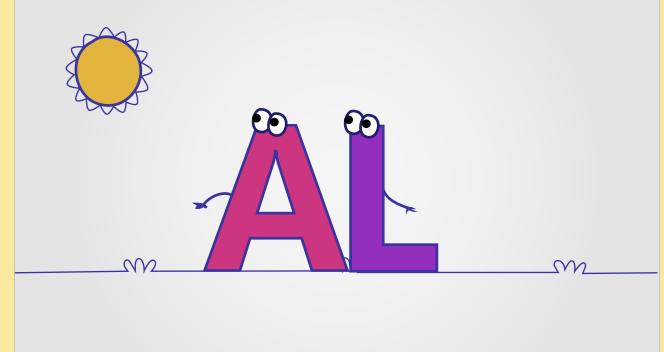


An animated disctionary that helps children remember spellings & meanings

Concepts

Animated poetry, proverbs with expressive typography & imagery





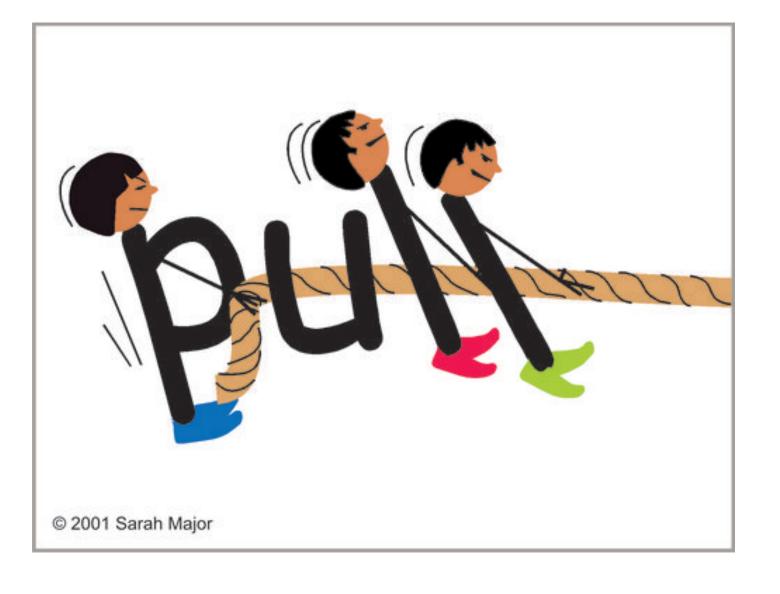




Final Concept

- Animated Dictionary
- Help with spelling as well as comprehension
- Integrate visual of spelling with meaning
- Use of both audio visual to aid memorability







Popular Teaching Methods

Phonics

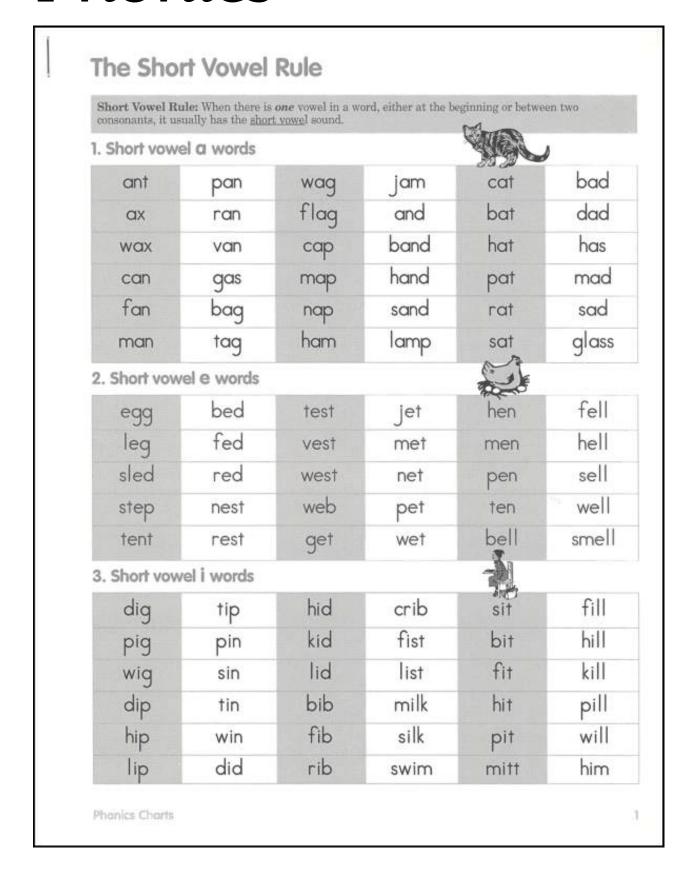
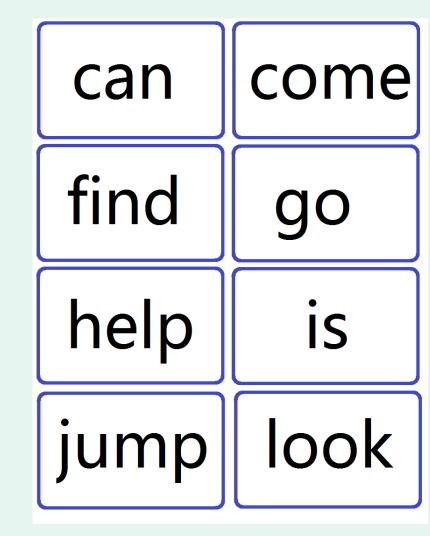


Chart 12			
ch	in	church	
sh	in	<mark>sh</mark> ip, wi <mark>sh</mark>	
th	in	thick, with	
th	in	th is	
wh	in	whale	
wh	in	wh o	

Chart 16					
kn	in	kn ee	ie	in	brown ie
gn	in	gn at	ey	in	k e y
a-	in	a sleep	ey	in	they
a	in	b <mark>a</mark> nan <mark>a</mark>	ought	in	thought
0	in	son	aught	in	taught
С	in	race	igh	in	n igh t
ea	in	heat	y	in	myth
ea	in	h <mark>ea</mark> d	g	in	giant
ea	in	gr <mark>ea</mark> t	dge	in	fu dge

The Whole Word Method

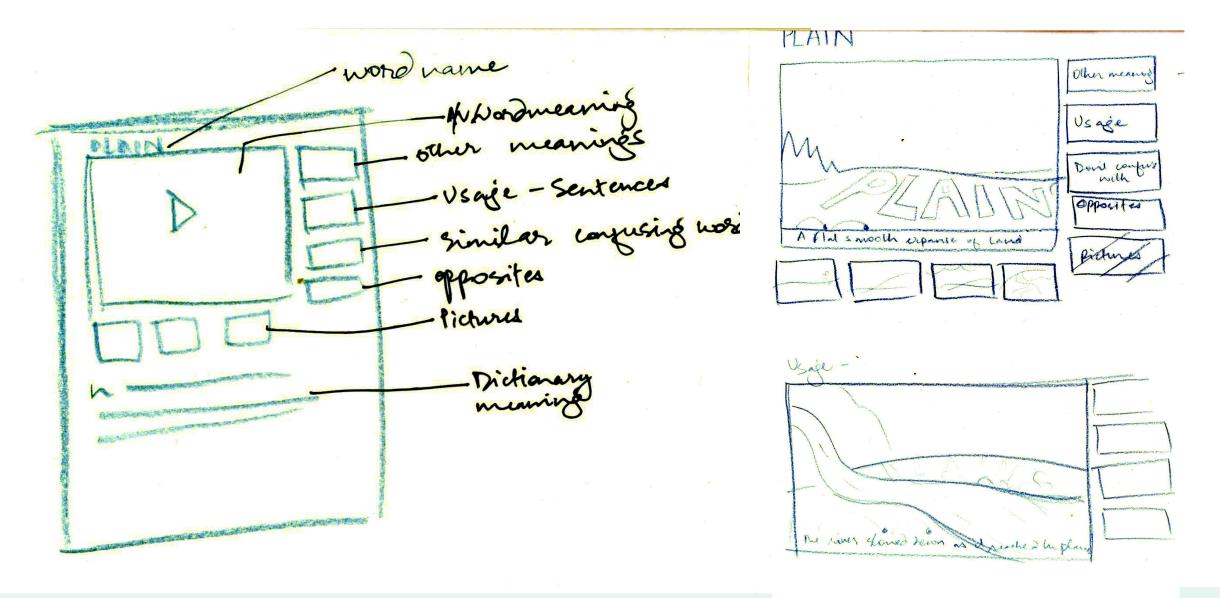
CONCRETE IMAGE	SOUND OF THE WORD (have them say the word out loud)	CONCRETE VISUAL IMAGE OF THE WORD (have them print the word)		
	'APPLE'	APPLE		



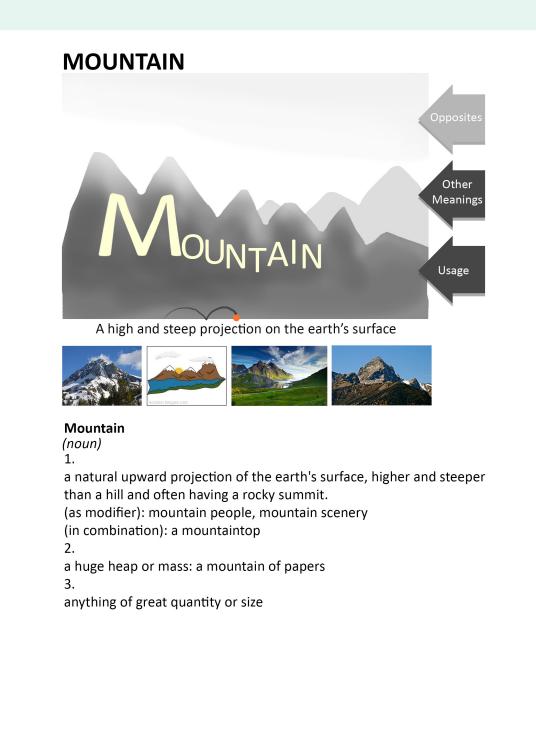
yes	eat	all	saw	good
so	will	have	am	what
who	too	get	he	now
but	at	did	into	like
that	out	are	was	no

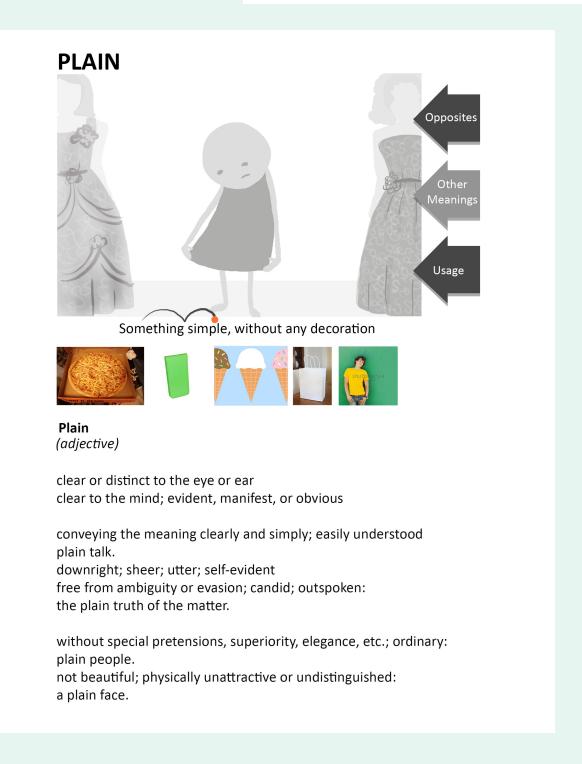
- Whole sentence model
- Multi sensory approach



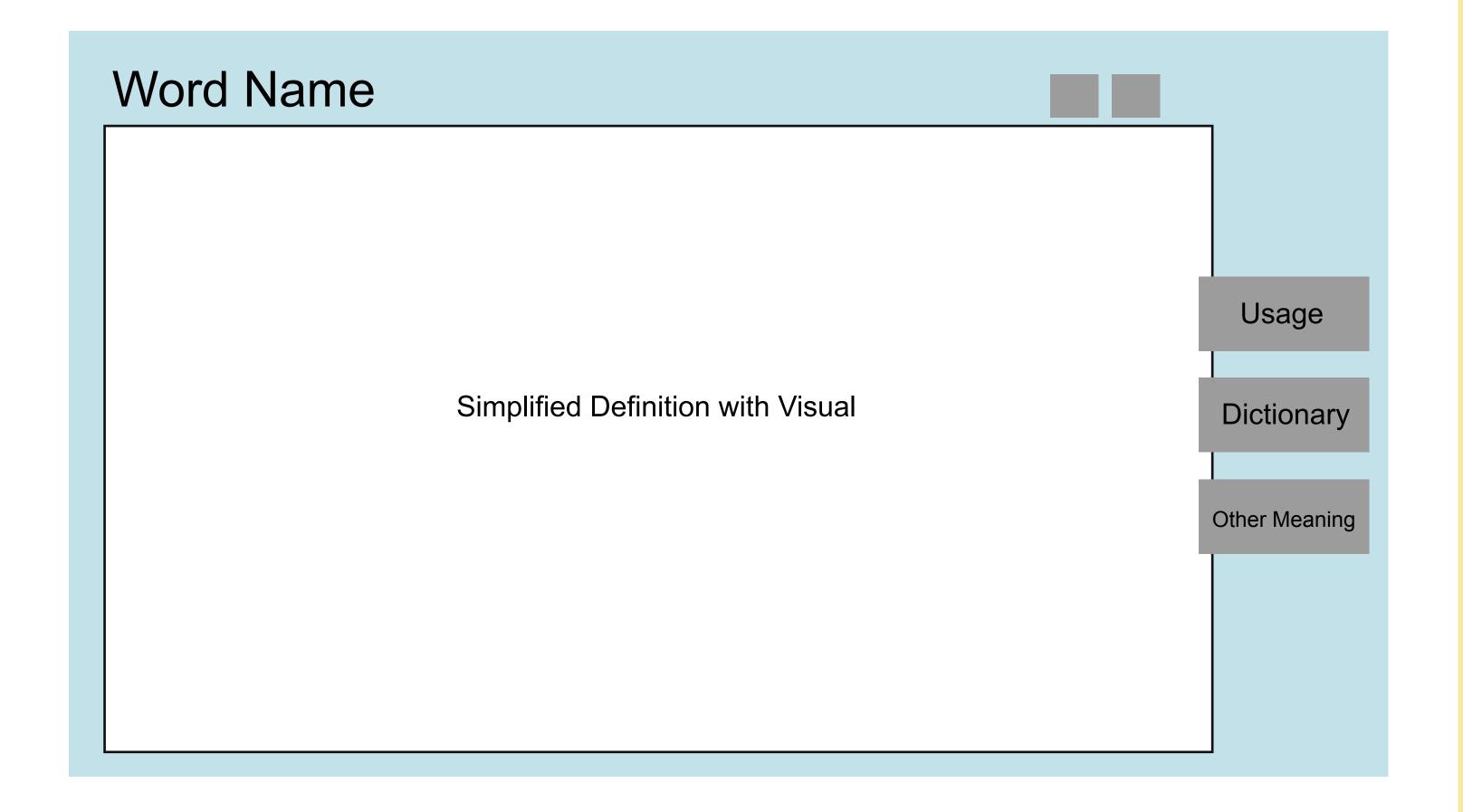




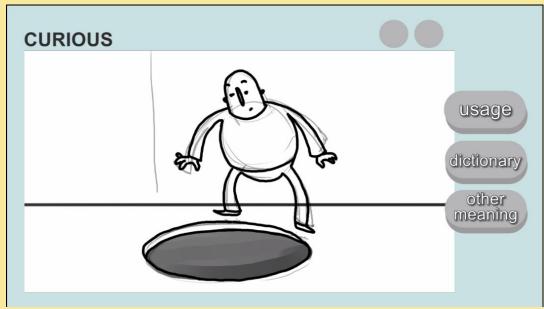




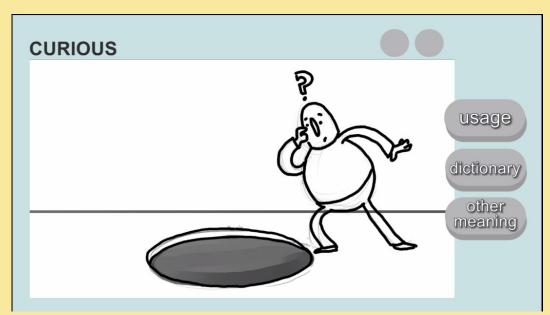
Refined Wireframe



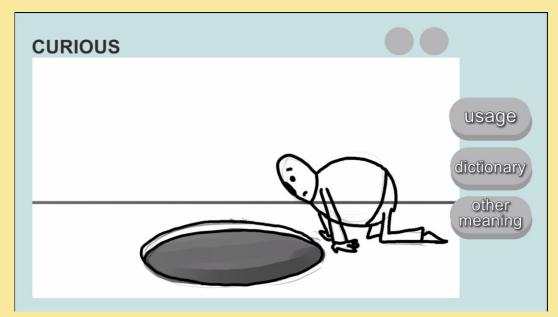
screen 1- Definition



Voice over <'having a desire to know...'>



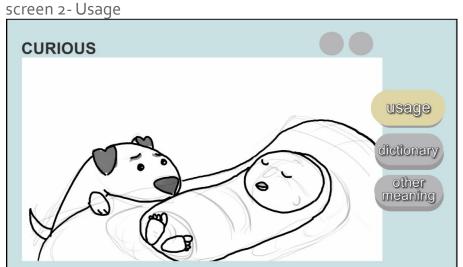
Voice over <'or find out'>



Voice over <'something.'>

Feedback

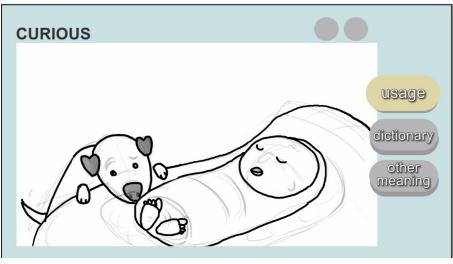
Voice over <'Curious'>



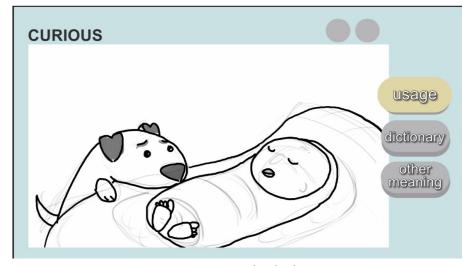




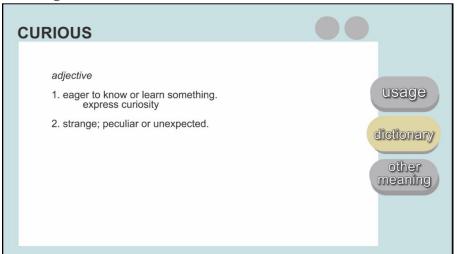
Voice over <'Curious to know'>



Voice over <'more about '>



Voice over <'the baby'>



No voice over

- Too many options
- Appearance still confusing
- No uniformity in characters
- Confusing typography
- Better selection of words



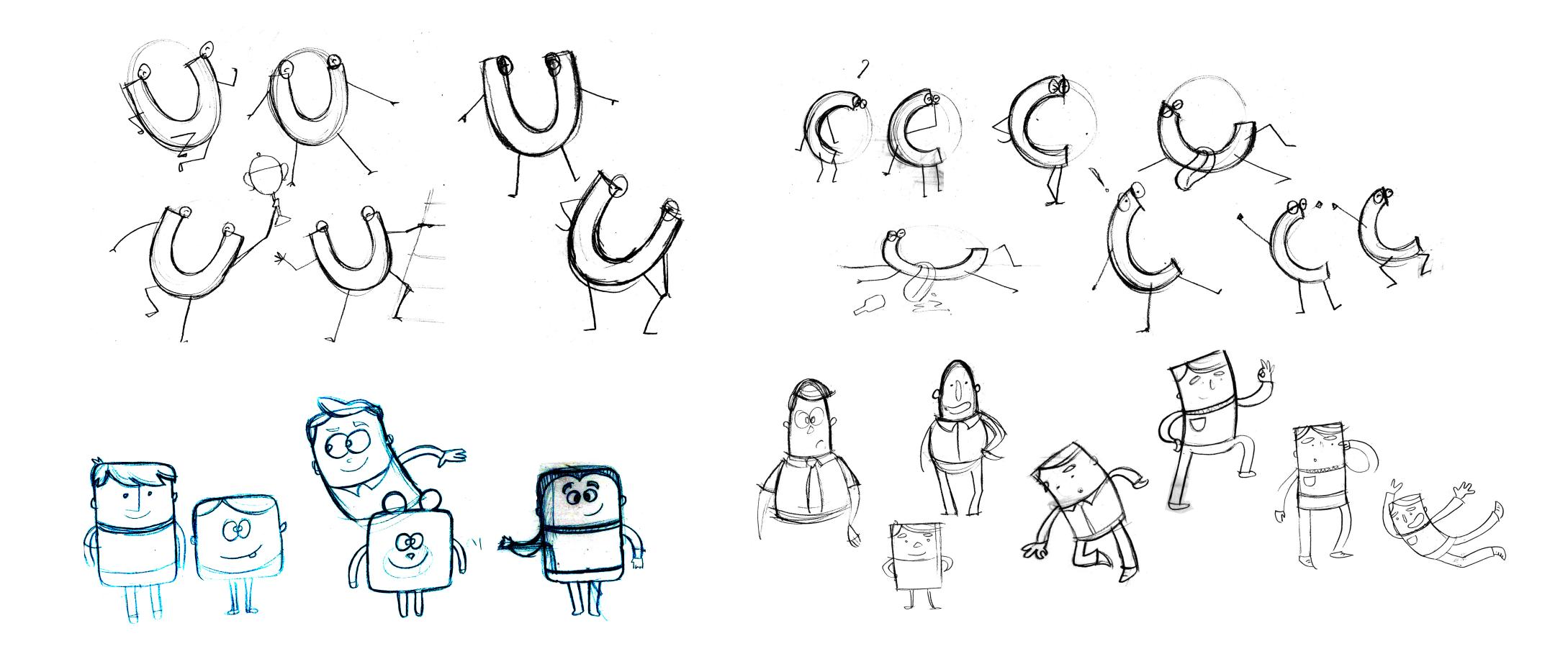
The Dolch word list is a list of frequently used English words compiled by Edward William Dolch, a major proponent of the "whole-word" method of beginning reading instruction.

Dolch words, or sight words, provide an excellent base for reading at an early age. They are often called sight words because some of them can't be sounded out, and need to be learned by sight.

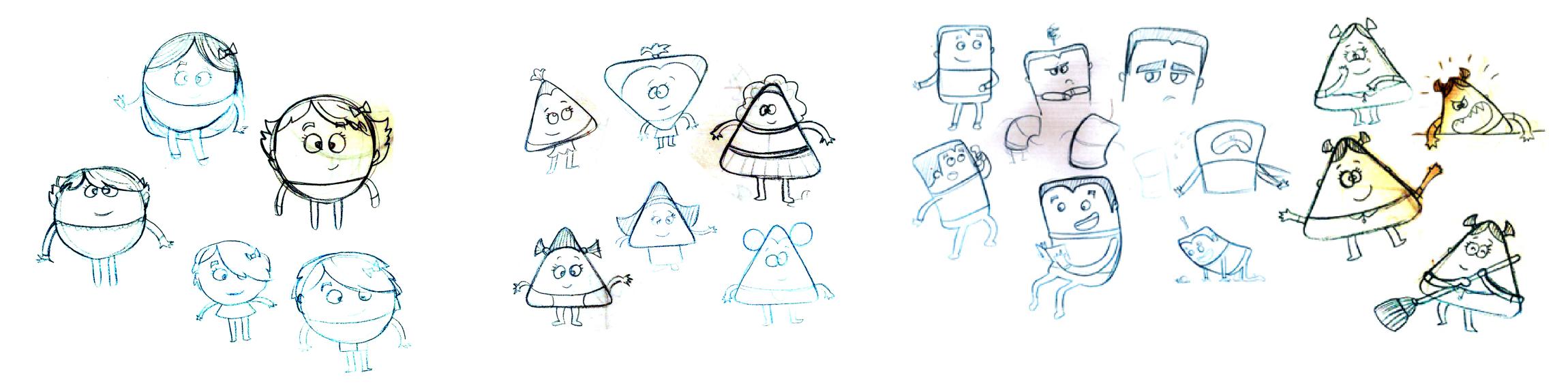
2nd Grade:

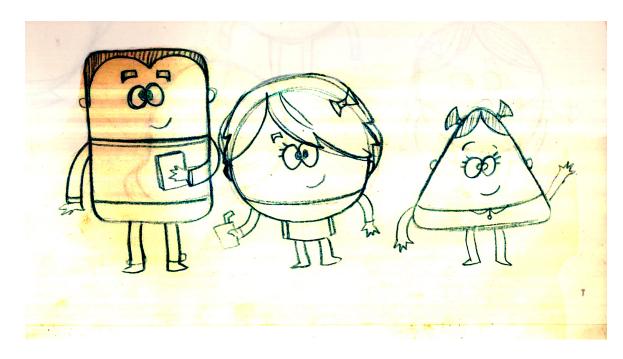
always, around, because, been, before, best, both, buy, call, cold, does, don't, fast, first, five, found, gave, goes, green, its, made, many, off, or, pull, read, right, sing, sit, sleep, tell, their, these, those, upon, us, use, very, wash, which, why, wish, work, would, write, your

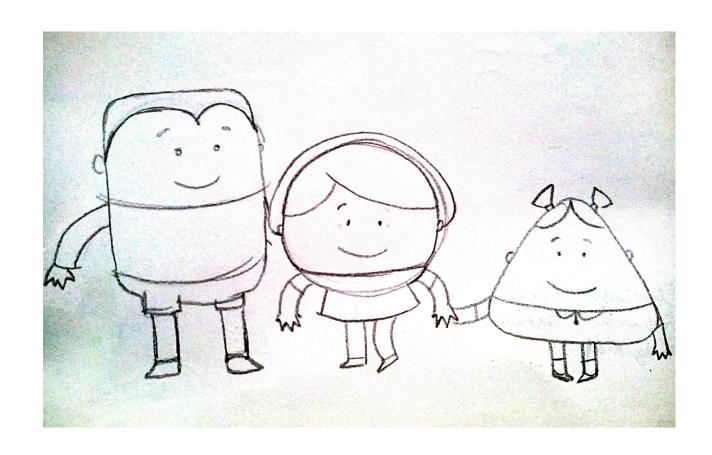
New Explorations



New Explorations

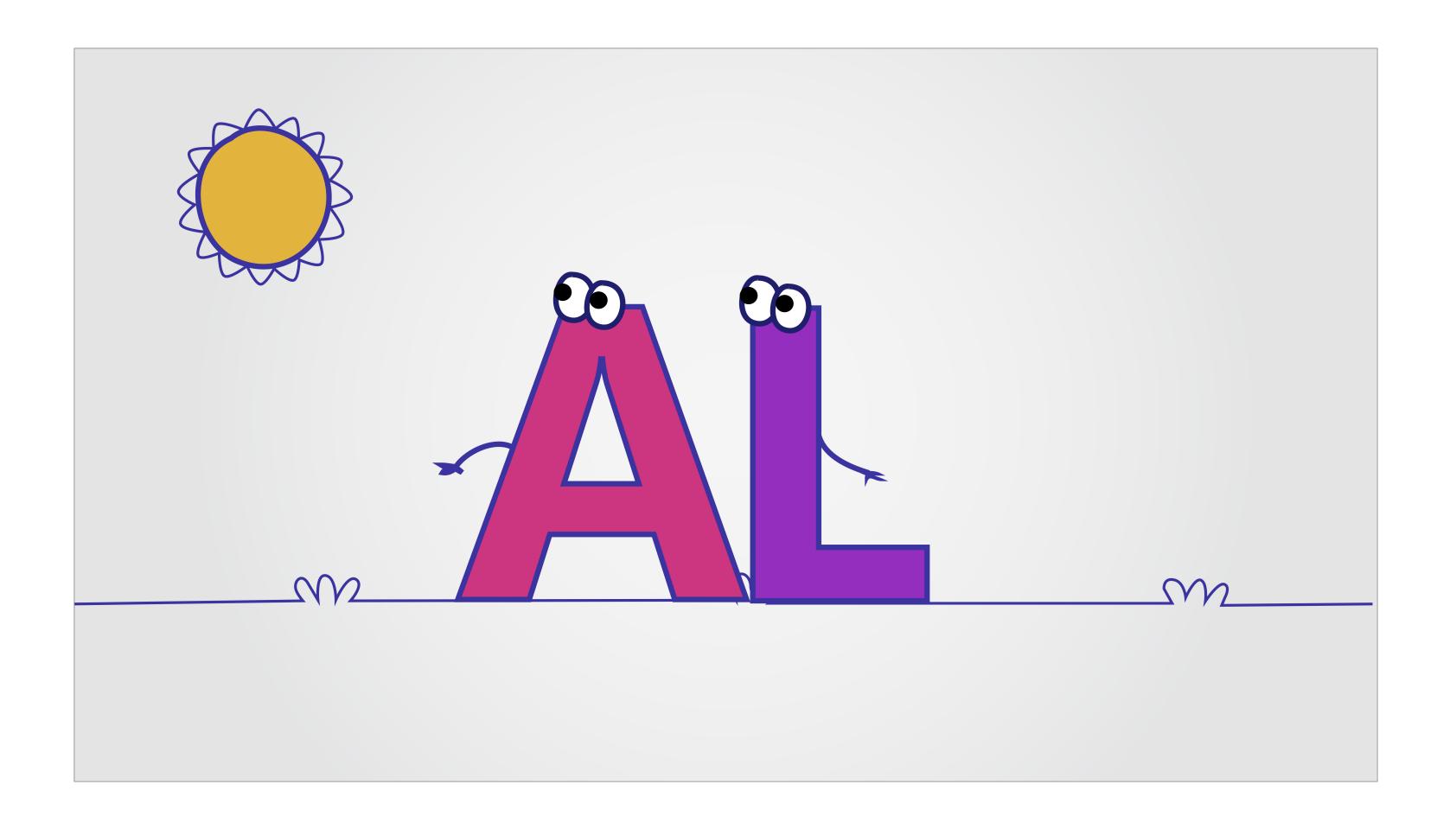










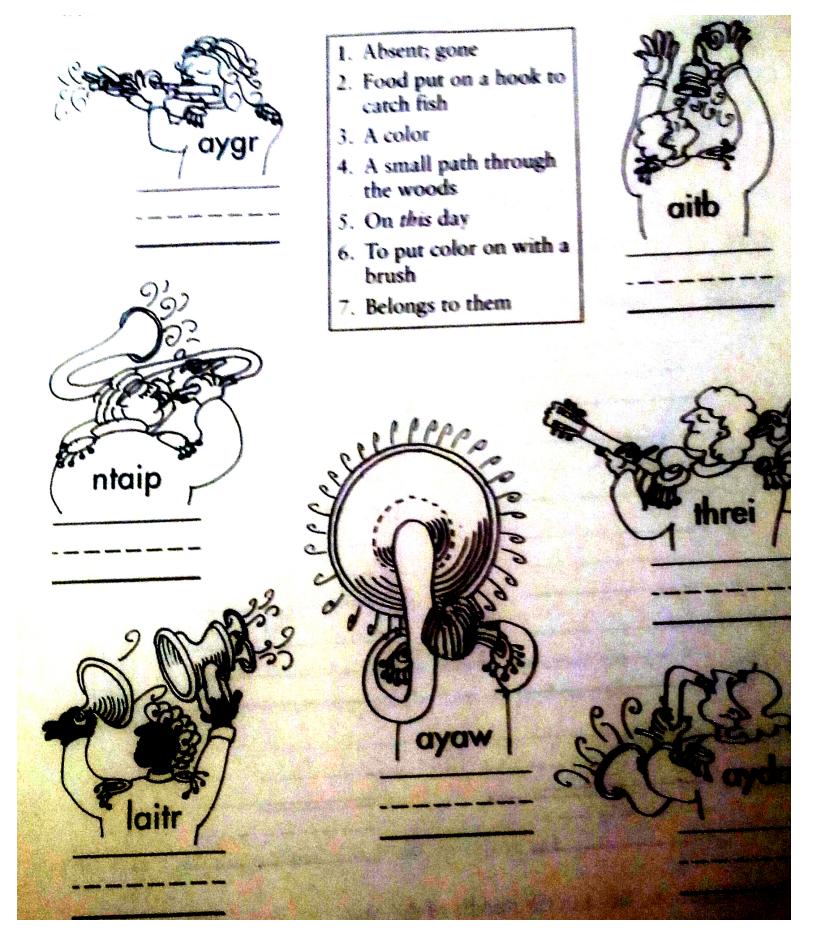


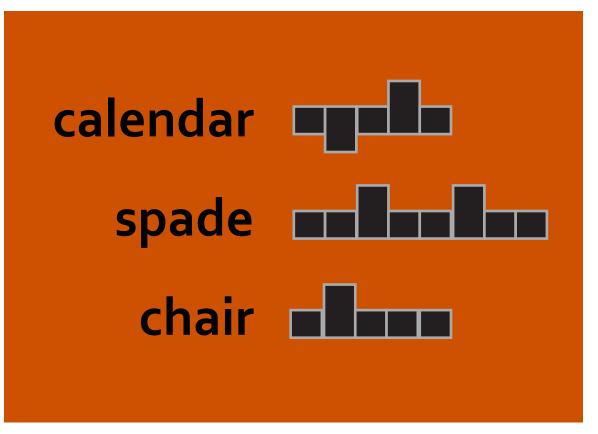
Feedback

- Simpler than before
- All caps is not recommended
- Needs stronger visual cues
- Participatory design

In the normal setting it would be uncommon for one to find words written in all caps, all the time. We have to train kids for what they would face most in life, which is why all learning resources at our center are mostly in small letters.

Back to Books

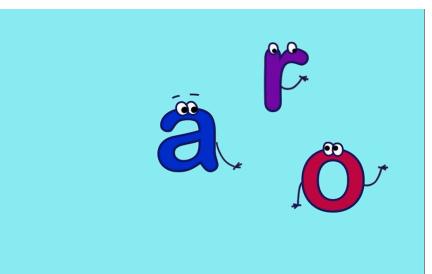




V. Break the Code	. Use the code to write	the spelling words.	
	f g h i j k l m	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1
a. qikb b. eqvmdk c. pbkqeb d. daqtb e. bdlqpwmdk f. coqlbjnw g. oqlmvc h. qvgmrnd i. kqdlb j. dqwbdabodrv		k. wriqlb l. tmdqdlbo m. kbqtqikb n. dqvtymik o. tbpqlb p. aqebhbvl q. iqwbvtqo r. bdlqlb s. ikqhamrv t. pqlkb	

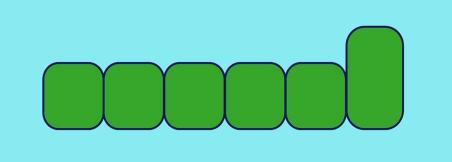


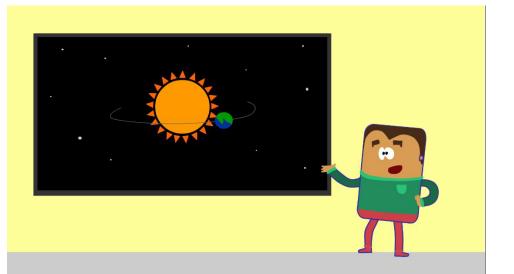






around





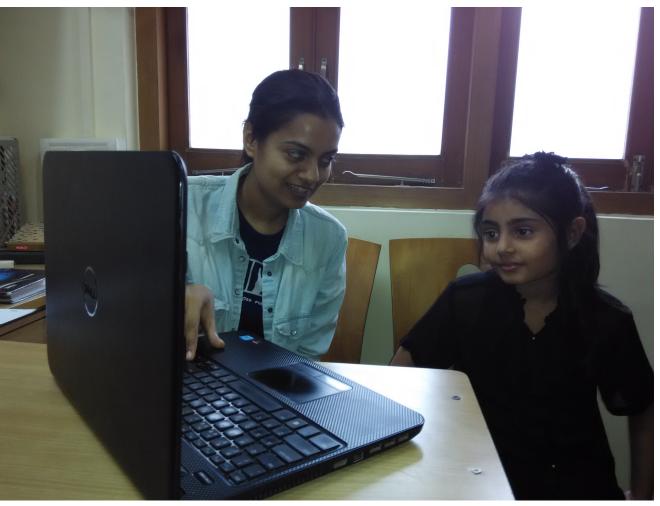
In the normal classroom context, teachers generate a word list after reading a story or a chapter from the English text. It is automatically assumed that students can break up the words into smaller components and learn the spelling. But this task is very difficult for the learning disabled, a fact that many teachers simply fail to understand.

-Onika Nakra

Evaluation

- Reproducing the correct spelling
- Orally as well as verbally
- Usage of word in own sentence
- Retention of spelling after some time

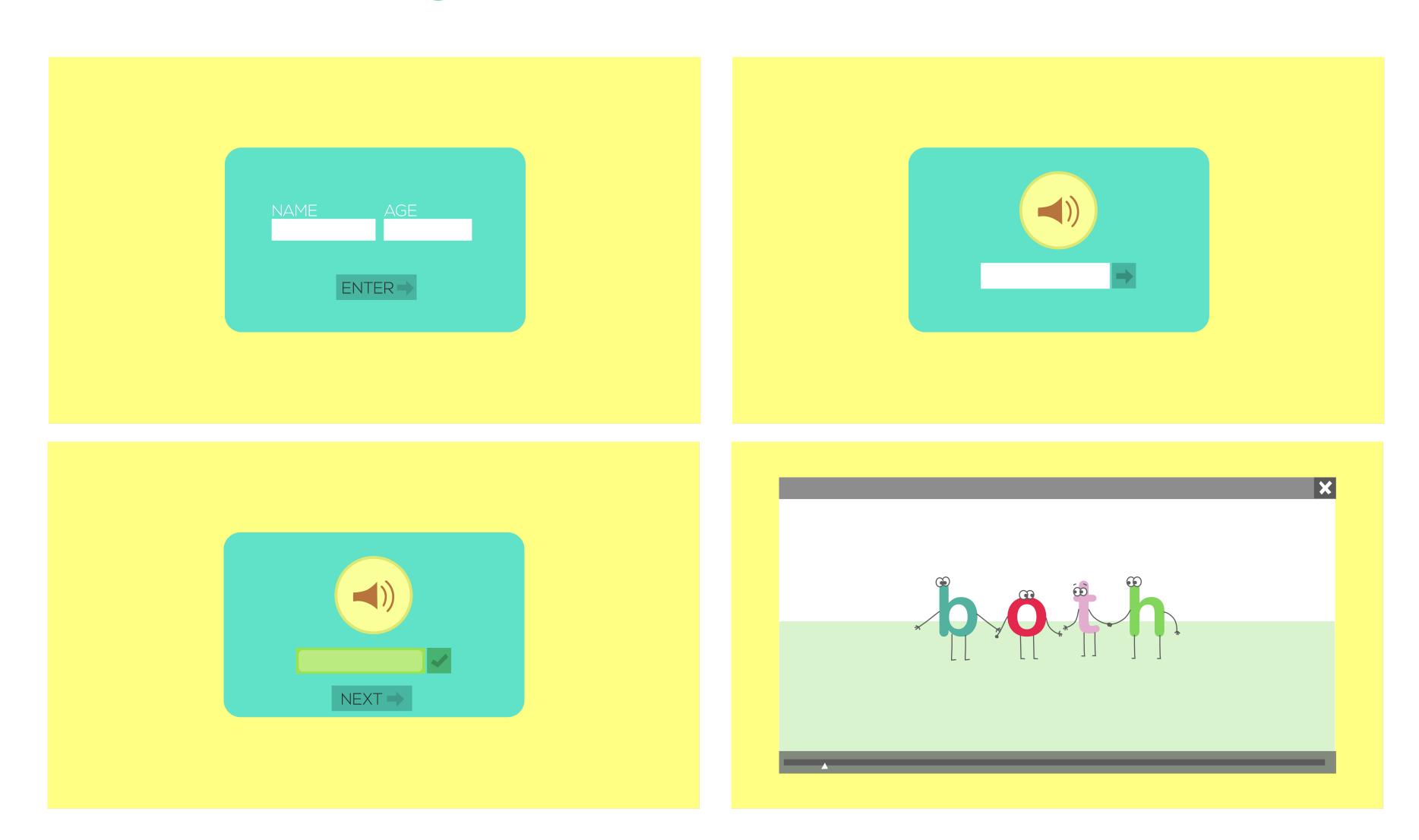




Observations

- Timing
- Colours
- Age-group

'Lexy' The Spelling Game



Thank you!

a) ho (N

abound