ACCESSIBILITY AND DESIGN:
MEETING OUR CLIENT'S NEEDS

1.3 billion

individuals globally need assistive tools and technology to access online content

300 million

individuals experience color vision deficiency which require color adjusting tools

AMONG AMERICANS 16-74

54%

Read below a sixth grade level.

VISION IMPAIRMENT 40+:

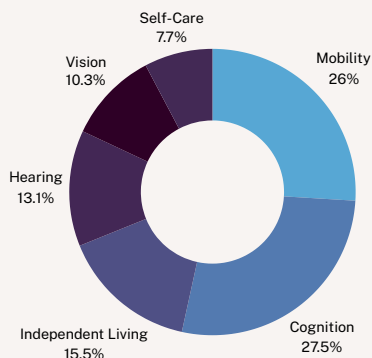## 12%

Of US adults over 40 have moderate to severe vision impairment

1 OUT OF 4

adults in the United States have some sort of disability

Self-Care
7.7%

Vision
10.3%

Mobility
26%

Hearing
13.1%

Independent Living
15.5%

Cognition
27.5%

DIVERSE NEEDS

Of the 27% of Americans with disabilities, there is a wide range of potential challenges for these individuals.

REFERENCES

https://www.cdc.gov/ncbddd/disabilityandhealth/infographi
c-disability-impacts-all.html
https://www.apmresearchlab.org/10x-adult-literacy

ENSURING ACCESSIBILITY IN THE CLASSROOM

HIGH CONTRAST COLORS

On flyers, class materials, presentations, etc. ensure color contrast is significant.

USE TOOLS

Utilize Accessibility Checker tools in software applications and fix errors proactively

JARGON

Avoid using jargon or unnecessarily lengthy words. We do not always know our student's educational background. If jargon is required, explain what it means.

SET-UP

Ensure enough space for a wheelchair user to navigate the classroom comfortably.

SUPPORT INDEPENDENCE

Avoid assumptions, and always ask. If it appears someone may need help, ask if it is okay to help or what may be most helpful.

TOOLS FOR ACCESSIBILITY

TEXT SIZE

What does the voice sound like?

Consider the tone, mood or emotion of what is written. *E.g. Humorous, satirical, sarcastic, serious, somber, bleak, defeated, mysterious, critical, joyful, exuberant, searching, curious, inquisitive, formal, colloquial, menacing*

MOUSE POINTER AND TOUCH

Which language features have been used to construct the voice?

This can include both written language and visual language. *E.g. vocabulary, connotation, syntax, emotive language, slang, repetition, figurative language, camera shot type, camera angle, props or objects, clothing, emanata, body language, speech bubbl*es

BRIGHTNESS

What values, attitudes or perspective does the voice embody?

Does it reflect a particular social group or ideology? *E.g. Values such as equality, truth or family. E.g. Attitudes or perspectives such as injustices of slavery, benefits of change, autonomy for women etc.*

ZOOM IN/ZOOM OUT

What is the relationships between this voice and other voices?

Is it privileged or marginalised? Does it support or conflict with other voices? Does it challenge or reinforce the accepted notions of the time? Does it reflect the author's beliefs? Are readers positioned to empathise, sympathise or criticise it?

KEYBOARD SHORTCUTS

How is this voice used to present particular themes or ideas?

Start with a general theme. Then state it as an explicit idea. *E.g. love, grief, memory, loss, friendship, survival, family, war etc. The voice conveys the idea that war can have a dehumanising effect on individuals.*