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***ASSISTIVE
TECHNOLOGY***

***UNIVERSAL
DESIGN FOR
LEARNING***

BREAKING DOWN THE BARRIERS FOR ALL LEARNERS

INTRODUCTION TO UNIVERSAL DESIGN IN LIFE



UNIVERSAL DESIGN PRINCIPLES FOR LEARNING

Provide multiple means of
Engagement

Affective Networks
The "WHY" of Learning



Provide multiple means of
Representation

Recognition Networks
The "WHAT" of Learning



Provide multiple means of
Action & Expression

Strategic Networks
The "HOW" of Learning



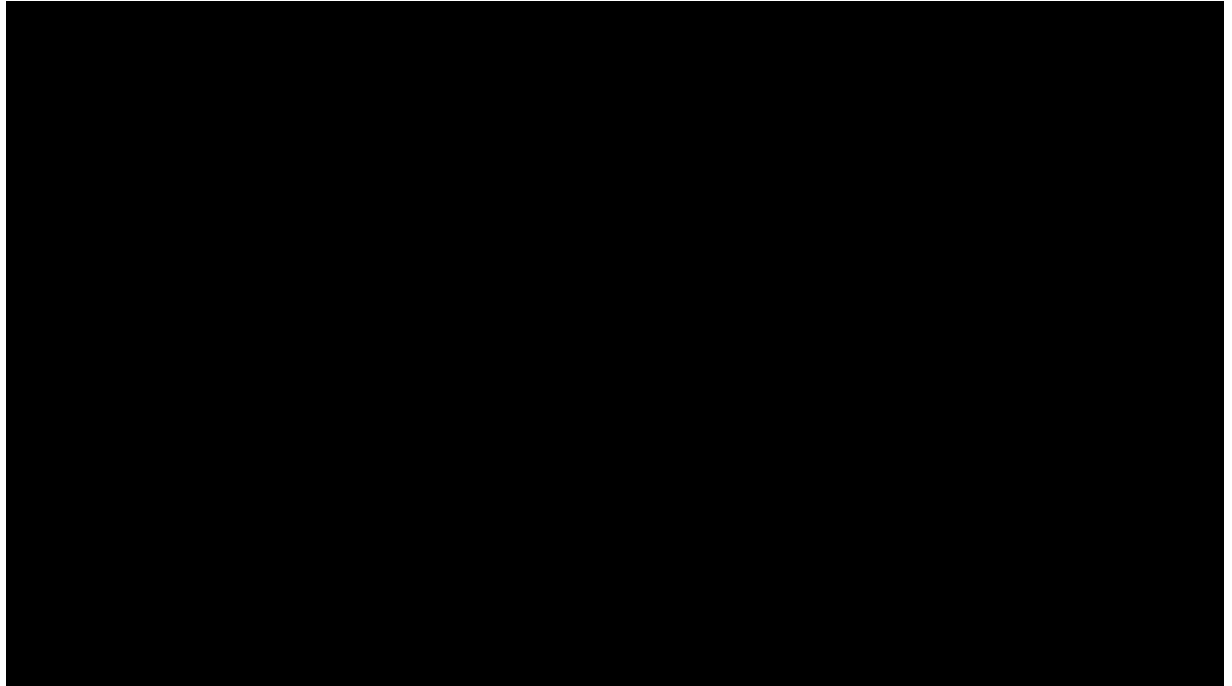
READ AND WRITE FOR GOOGLE CHROME/SNAPVERTER

Read & Write for Google Chrome

- **Reading, Writing and Study Skills extension**

SnapVerter

- **Allows students and teachers to take a picture of a document and convert it into an editable PDF file**
- **Students can then use Read and Write for text-to-speech, voice recognition and study skills**



READ AND WRITE VOCABULARY

Read & Write for Google Chrome

- **Works with PDFs, Google Docs and Websites**
- **Vocabulary Skills**
- **Computer Skills**
- **Students can turn it on and off when they need it**
- **Every student in the district has access to this tool**



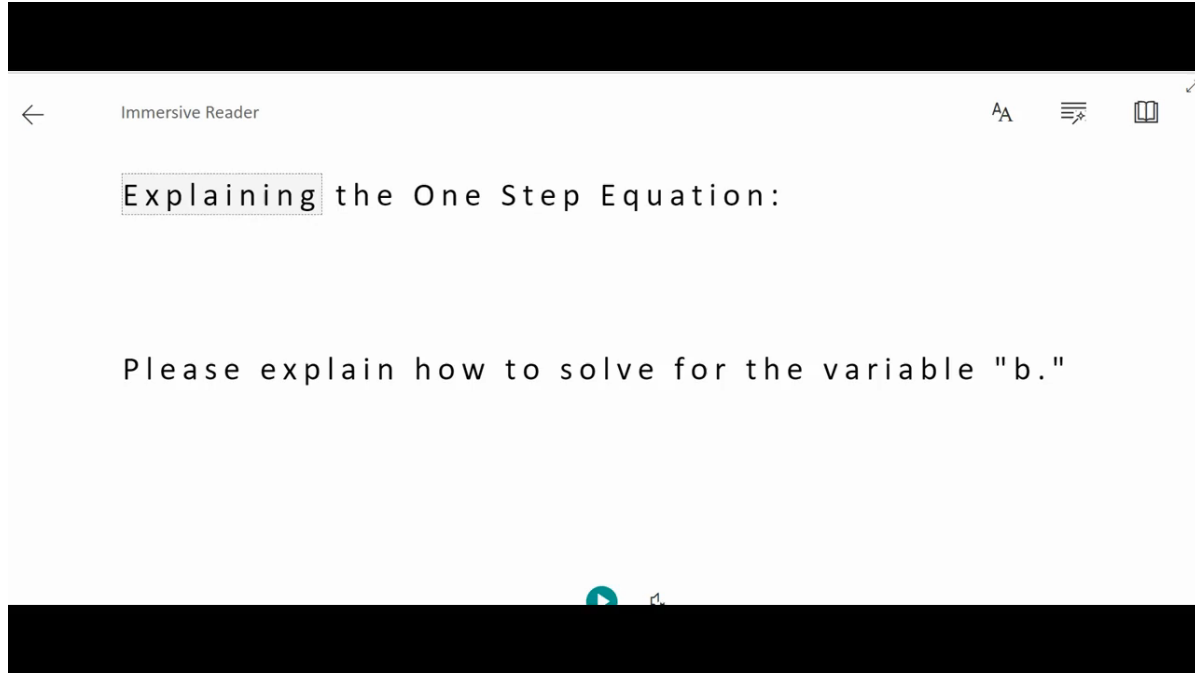
FLIPGRID

- **Learning platform that allows educators to ask a question, and then the students respond in a video**
- **Empowers students to take ownership of their learning**
- **Enables “flipped” teaching**
- **Gives students opportunities to share their “voices”**
- **Appeals to visual, audio, and kinesthetic learners**



MICROSOFT IMMERSIVE READER LEARNING TOOL

- Change font size, text spacing, and background color
- Split up words into syllables
- Highlight verbs, nouns, adjectives and sub-clauses
- Read out text aloud, and change the speed of reading
- Text and picture dictionary
- Translate into 68 languages



BOOK CREATOR

Make Your Own eBook

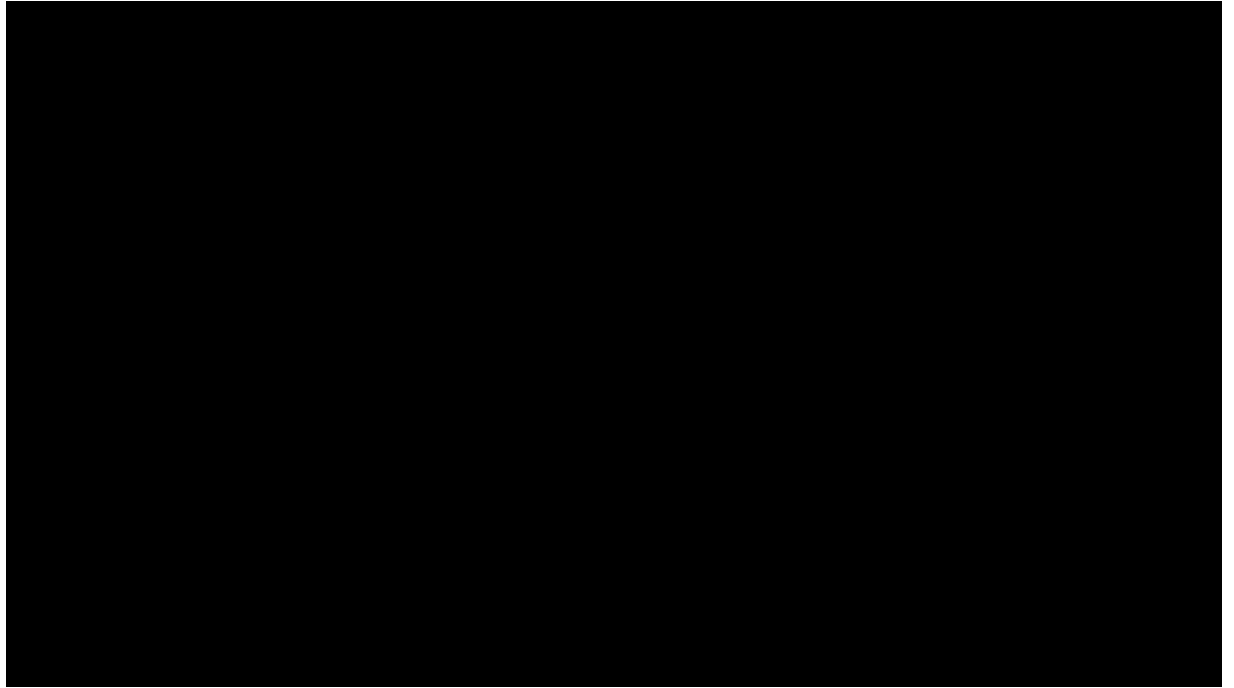
Student Choices for Expression:

- **Video**
- **Audio**
- **Voice Recognition**
- **Keyboard**
- **Graphics**

Built in search engine for graphics

Different layouts, font sizes

Reads to you



SENSORY WALK

- Self-regulation
- Increase focus
- Develop spatial awareness
- Eye-hand coordination
- Social-emotional learning
- Develop gross motor skills



SENSORY WALK



Cricut Design Space v5.4.10

File View Help

Canvas Sensory Walk - Flower and Stem* My Projects Save | Maker **Make It**

Layers Color Sync

- noun_Flower_13124
- Cut
- noun_Flower_13124
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- Cut
- noun_Flower_13124
- Cut
- Text - Cricut Sans
- S Cut
- Group
- Blank Canvas

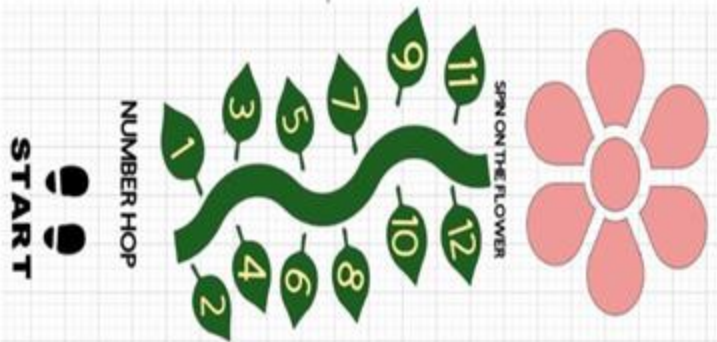
SENSORY WALK

Do you want the flower hop? *

Yes

No

Flower Hop



Hello Mr. Snyder,

Thank you for filling out our google form for the Sensory Walk for Walt Whitman Elementary School. Now we know exactly what you would like to include. We have made a spreadsheet to allow you and your team to order supplies including vinyl and tools.

Please see the attached google sheets document. Please contact us when you are ready and reply all to this email.

- **Determined amount of vinyl needed with Google Sheets**
- **Surveyed requests with Google Forms**
- **Emailed principals with Gmail**

An environment that is
UNIVERSALLY DESIGNED
for learning shows students that
**EVERYONE IS DIFFERENT,
EVERYONE HAS STRENGTHS,
EVERYONE HAS NEEDS,**
and that is okay.

RESOURCES

Read and Write for Google Chrome: click on the link below to view 2-3 minute videos on each feature of Read and Write, including an introduction video. <http://bit.ly/2OIGybh>

Flipgrid: <https://info.flipgrid.com/>

Immersive Reader: <https://www.microsoft.com/en-us/education/products/learning-tools#immersive-reader>

Book Creator: <https://bookcreator.com/>