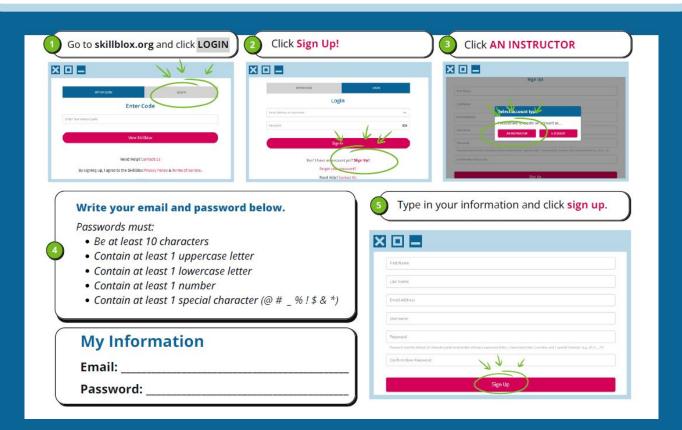
## skillblox.org/register





## Integrating Digital Skills (and More!) Using SkillBlox

Jeff Goumas World Education

October 22, 2024

## **Today's Session**

- Why SkillBlox?
- SkillBlox 101
- Building Blox for the Community
- What's next?

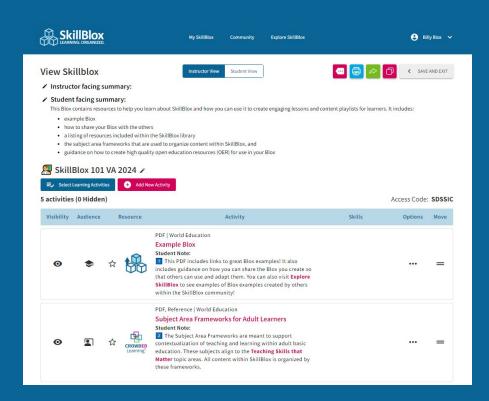


#### Let's Open a Blox

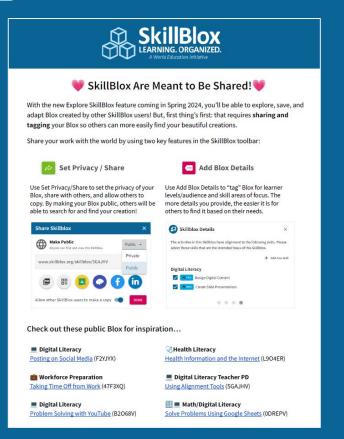
This Blox has all of the materials being shared during today's session.

## bit.ly/blox24va





## 1 See, Think, Wonder...



- Posting on Social Media
- 💼 Taking Time Off from Work
- Solve Problems with
  YouTube
- S Health Information and the Internet
- (PD) Using Alignment Tools
- Solve Problems Using Google Sheets

#### What do you....

... see?

... think?

... wonder?

#### Solve Problems Using YouTube 🔍 🖺

#### Student facing summary:

Do you like watching videos online? **YouTub** is the most widely used video websites in the world. Many people use YouTube regularly for entertainment. Did you know you can also use YouTube to find answers to questions and learn new things? In this Blox, you will learn how to use You'bub to find answers to questions and solve everyday problems.

#### 3 activities

#### Access Code: B2O68V

Course/Tutorial | Public Library Association



#### Introduction to Searching Videos on YouTube

#### Student Note

Learn: YouTube is a common place to look for videos for entertainment, instruction, information, and more! This course will help you understand how to search for and play videos on YouTube, and how to utilize the new functions that come with creating an account.

Simulation | Laura Stockton



#### Use YouTube to Solve Problems

Student Note:

Practice: In this Padlet activity, you will look at a different scenarios in which different people encounter a problem. Your task is to find a YouTube video to help solve the problem.

Quiz/Assessment | CrowdED Learning



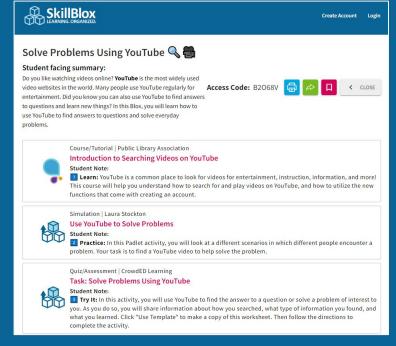


Student Note:
Try It: In this activity, you will use YouTube to find the answer to a question or solve a problem of interest to you. As you do so, you will share information about how you searched, what type of information you found, and what you learned. Click "Use Template" to make a copy of this worksheet. Then follow the directions to complete the activity.



#### Follow-up Questions...

- What skills were being developed?
- Are these skills important to the learners you work with?
- What would you need to do in order to use this lesson with your learners?



## Key Things You'll Learn Today...

#### How to use and build Blox

- Using Blox "as is"
- Building from others' Blox
- Starting from scratch
- How to share with the community

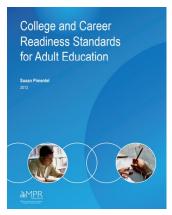




## **SkillBlox History**

#### **Back in 2017...**











We know people are using these...



...how can we help them use these?

### **CrowdED Learning**



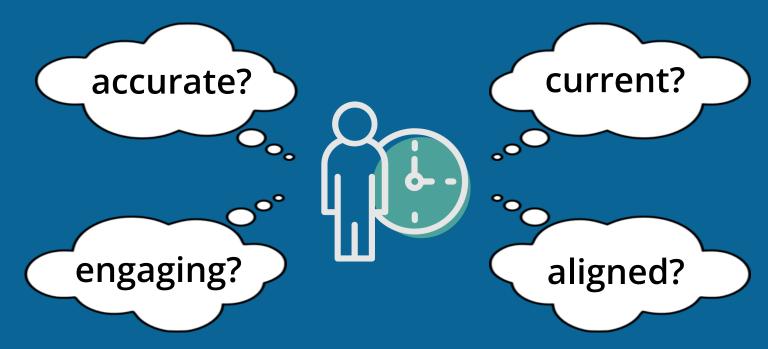
Increase access to and awareness of Open Educational Resources (OER) in adult education



Moved to World Education in September 2020

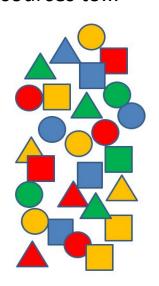
## The OER Challenge: Overcrowding

Content is everywhere, but is it...



## **CrowdED Learning Solution**

Moving from the current state of scattered resources to...



...coordinated alignment of resources from multiple sources to adult competencies, to...









...tools that support seamless integration of a variety of content into instruction.

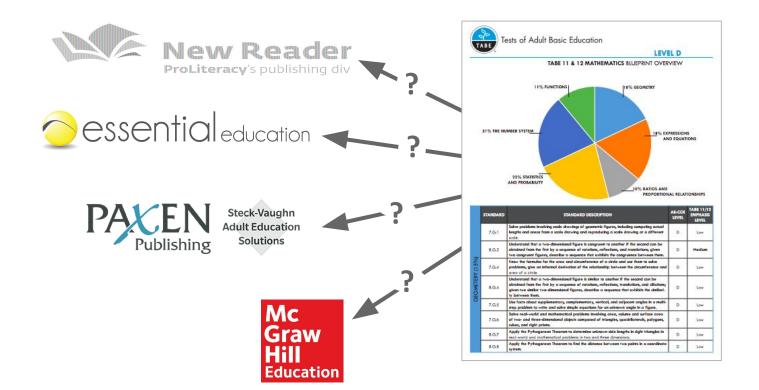








## We know publishers provide CCRS alignments...



STANDARD	STANDARD DESCRIPTION	Emphasi
PERATIONS	S AND ALGEBRAIC THINKING	
4.0A.1	Interpret a multiplication equation as a comparison, e.g., interpret 35 = $5 \times 7$ as a statement that 35 is 5 times as many as 7 and 7 times as many as 5. Represent verbal statements of multiplicative comparisons as multiplication equations.	Mediur
	Achieving TABE Success in Mathematics, Level M: Pgs. 114-115	
	Achieving TABE Success in Mathematics, Level D: Pg. 100 Career Companions: Pas. 84-87	
	College and Career Readiness Practice Workbook-Basic Algebra: Lesson 3	
	TABE Skill Workbook- Level M Mathematics- Numbers, Number Operations, Computation in Context, Estimation: Pa. 9	
	TABE Skill Workbook- Level D Mathematics- Patterns, Functions, and Algebra: Pgs. 11-12	
	TABE Skill Workbook- Level D Mathematics- Problem Solving and Reasoning: Pg. 23 Instruction Targeted for TABE Success- Level M- Mathematics: Lesson 1.8	
	Instruction Targeted for TABE Success- Level D- Mathematics: Lesson 1.8  Instruction Targeted for TABE Success- Level D- Mathematics: Lessons 1.6, 1.7	
5.OA.1	Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.	Low
	Achieving TABE Success in Mathematics, Level M: Pgs. 117-119	
	Achieving TABE Success in Mathematics, Level D: Pgs. 103-104	
	College and Career Readiness Practice Workbook-Basic Algebra: Lessons 1, 4	
	Number Power-Pre-Algebra: Pgs. 24-25	
	TABE Skill Workbook- Level M Mathematics- Patterns, Functions, and Algebra: Pgs. 12-15	
	TABE Skill Workbook- Level D Mathematics- Patterns, Functions, and Algebra: Pgs. 11-13	
	TABE Skill Workbook- Level D Mathematics- Problem Solving and Reasoning: Pg. 23	
	Instruction Targeted for TABE Success- Level M- Mathematics: Lessons 1.8, 14.3 Instruction Targeted for TABE Success- Level D- Mathematics: Lessons 1.7, 14.3	
4.OA.2	Multiply or divide to solve word problems involving multiplicative comparison, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem, distinguishing multiplicative comparison from additive comparison.	Mediu
	Achieving TABE Success in Mathematics, Level D: Pgs. 100-101	
	College and Career Readiness Practice Workbook-Basic Algebra: Lesson 3	
	Number Power- Problem-Solving and Test-Taking Strategies: Pgs. 126-127	
	Number Power- Financial Literacy: Pg. 228	
	Number Power- Review: Pgs. 18-21	
	TABE Skill Workbook- Level M Mathematics- Patterns, Functions, and Algebra: Pgs. 12-15	
	TABE Skill Workbook- Level D Mathematics- Patterns, Functions, and Algebra: Pg. 10	
	Instruction Targeted for TABE Success- Level M- Mathematics: Lessons 8.2, 8.3	
	Instruction Targeted for TABE Success- Level D- Mathematics: Lesson 6.1	



#### Breakthrough to Math series correlated to TABE 11/12 Mathematics Blueprints, Level M (CCRS C)

TABE Standard	Description	Breakthrough to Math, Level 1	Breakthrough to Math, Level 2	Breakthrough to Math, Level 3	Breakthrough to Math, Level 4
NUMBER AND OP	ERATIONS IN BASE TEN		8		
4.NBT.1	Recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right.				
4.NBT.3	Use place value understanding to round multi-digit whole numbers to any place.				
5.NBT.3	Read, write, and compare decimals to thousandths.		Book 4, Decimal Fractions: pp. 7–11, 43–45		
4.NBT,4	Fluently add and subtract multi-digit whole numbers using the standard algorithm.	Book 2 Adding Whole Numbers: pp. 7–52 Book 3, Subtracting Whole Numbers: pp. 7–50			
5.NBT.4	Use place value understanding to round decimals to any place.		Book 4, Decimal Fractions: pp. 43-45		
4.NBT.5	Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on piace value and the properties of operations. Illustrate and explain the calculation by using	Book 4, Multiplying Whole Numbers: pp. 13–32			
5.NBT,5	equations, rectangular arrays, and/or area models.  Fluently multiply multi-digit whole numbers using the standard algorithm.	Book 4, Multiplying Whole Numbers: pp. 13–32			
4.NBT.6	Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division.	Book 5, Dividing Whole Numbers: pp. 13–41			
5.NBT.7	Add, subtract, multiply, and divide decimals to hundredths, using concrete models or diswings and strategies based on place value, properties of operations, analot the relationship between addition and subtraction; relate the strategy to a written method and exposal that reasoning used.		Book 4, Decimal Fractions: pp. 13-42		



www.newreaderspress.com 800.448.8876

## ...so what if we start aligning popular OER...



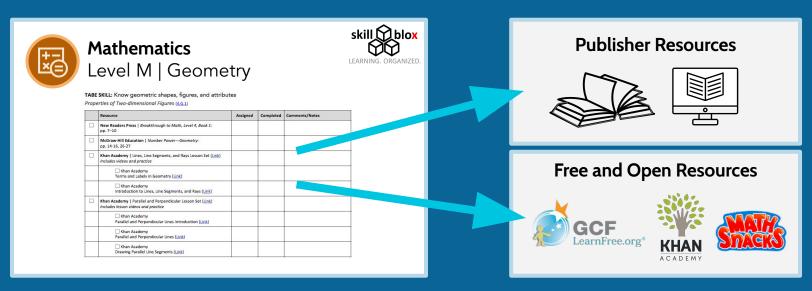
#### Khan Academy Practice Sets—CCRS + TABE 11/12 Aligned



Note: All links within this document access Khan Academy content, which is generously licensed under a Creative Commons Attribution-NonCommercial-ShareAlike 3.0 United

CCRS Level	TABE Level	Domain	CCRS Code	TABE Emphasis	Linked Name	Description
Α	L	Geometry	K.G.4	Medium	Compare shapes	Practice comparing shapes based or
Α	L	Measurement and Data	1.MD.2	Low	Measure lengths 1	Measure objects with same-size len
Α	L	Measurement and Data	1.MD.4	High	Solve problems with bar graphs 1	Read and interpret bar graphs.
Α	L	Number and Operations in Base Ten	1.NBT.2	High	Groups of ten objects	Practice grouping objects by tens.
Α	L	Number and Operations in Base Ten	1.NBT.2	High	Groups of ten objects	Practice grouping objects by tens.
Α	L	Number and Operations in Base Ten	1.NBT.2	High	2-digit place value challenge	Practice breaking numbers apart int
Α	L	Number and Operations in Base Ten	1.NBT.2	High	2-digit place value challenge	Practice breaking numbers apart int
Α	L	Number and Operations in Base Ten	1.NBT.2	High	Groups of ten objects	Practice grouping objects by tens.
Α	L	Number and Operations in Base Ten	1.NBT.2	High	2-digit place value challenge	Practice breaking numbers apart in
Α	L	Number and Operations in Base Ten	1.NBT.2	High	Groups of ten objects	Practice grouping objects by tens.
Α	L	Number and Operations in Base Ten	1.NBT.2	High	2-digit place value challenge	Practice breaking numbers apart int
Α	L	Number and Operations in Base Ten	1.NBT.3	High	Compare 2-digit numbers 2	Practice more challenging problems
Α	L	Number and Operations in Base Ten	1.NBT.3	High	Compare 2-digit numbers	Practice comparing numbers (within
Α	L	Number and Operations in Base Ten	1.NBT.4	Low	Add 1 or 10	Practice solving problems like 34+1
Α	L	Number and Operations in Base Ten	1.NBT.4	Low	Regroup when adding 1-digit	Practice adding numbers like 45+8.

#### ...and then pull these alignments together in one place?



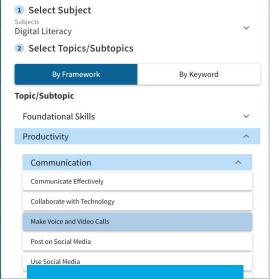
SkillBlox "Playlist"

**Aligned Materials** 

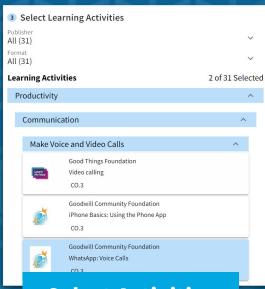




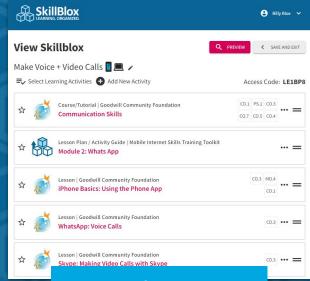
#### www.skillblox.org



Search by Skill



**Select Activities** 



**Customize + Share** 

## Just Having OER Available Not Enough



Service learning that leads to high-quality OER

Build, share, and adapt lessons powered by OER

### The Power of Building AND Sharing OER









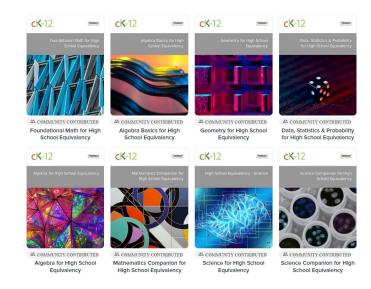






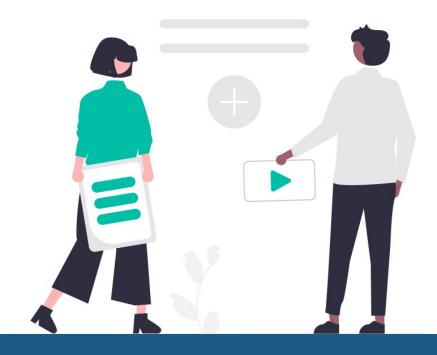






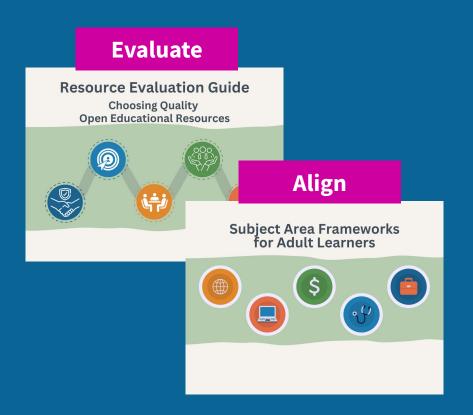
Link to CL Resources

OTAN CK-12 Books



Let's Build a Blox!

## 2 Engaging Educators in Building the SkillBlox Library



- Digital Literacy
- Civics Education
- Financial Literacy
- **S** Health Literacy
- Workforce Preparation

<u>Subject Area Frameworks</u>

## **3 Let's Check Out the Resources!**









cK-12



























#### Let's Check Out the Resources!













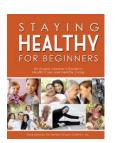
















#### Workforce Preparation





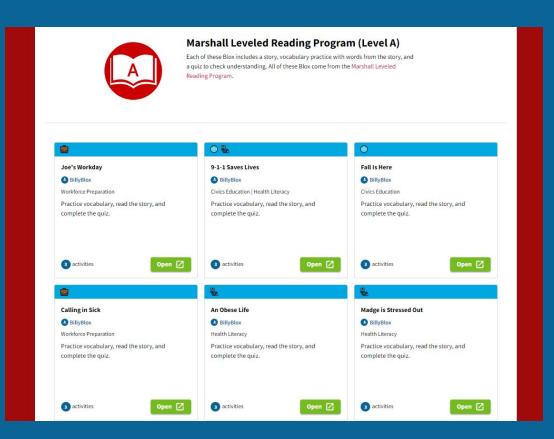
### Let's Jump Into SkillBlox!



## skillblox.org

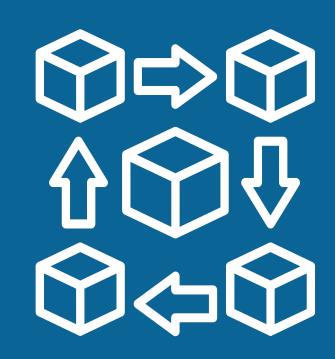
## 4 Why start from scratch???

What if you had a ready-to-go reading lesson that you could use as is OR easily adapt to meet your needs?



## Individually or in groups...

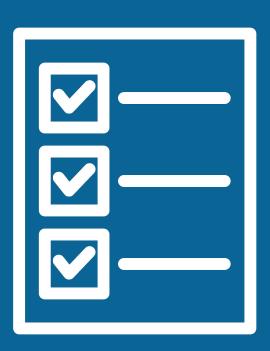
- 1. Find a Blox you might be interest in using with your learners.
- 2. How would you use this Blox with learners?
- 3. What types of activities would you add into it to layer in skills that matter?



#### Let's Build a Beautiful Blox!!!!!

#### Let's build a Skillblox together

- 1. Find learning activities
- 2. Save activities to a Blox
- 3. Customize a Blox
- 4. Tag a Blox
- 5. Share a Blox



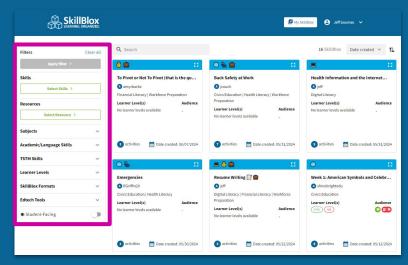


## **Building Blox for the Community**

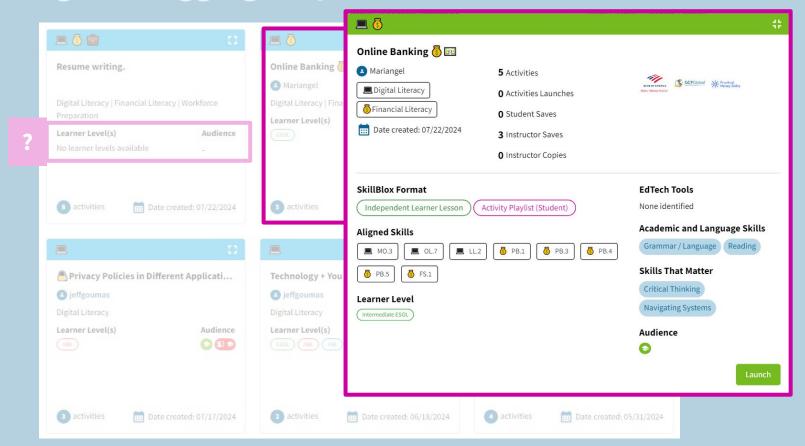
## **Making Your Blox Public!**

- How can we encourage teachers to make their Blox publicly available?
- How can we nudge teachers to tag their Blox so others can more readily evaluate for relevance to their own context?



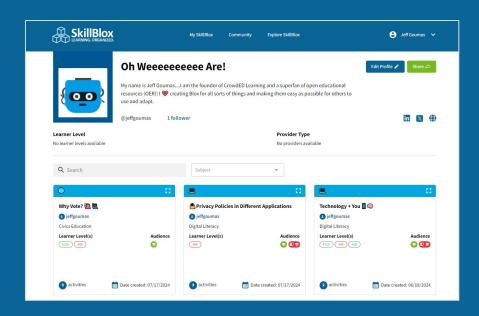


#### Sharing and Tagging Helps Others Find Useful Blox

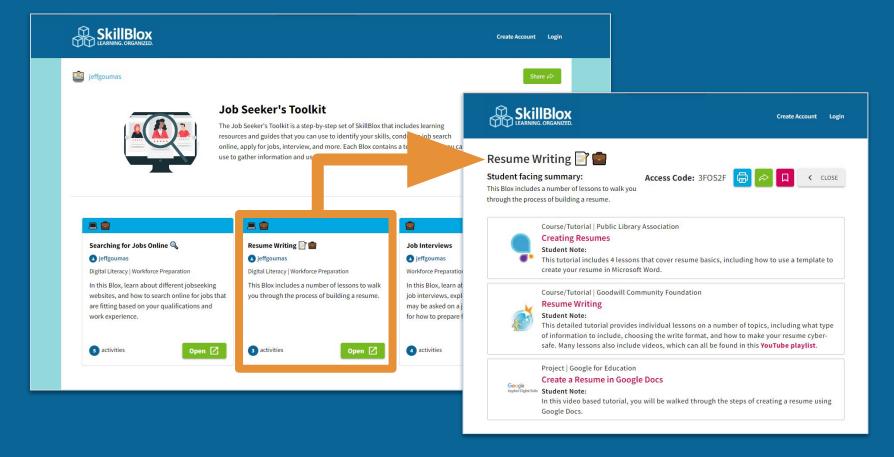


#### **Create Your Public Profile**

- Profiles help you see all public Blox a particular user
- Find other users who teach similar subjects, learner levels, and more



#### **Build Stax!!!!**



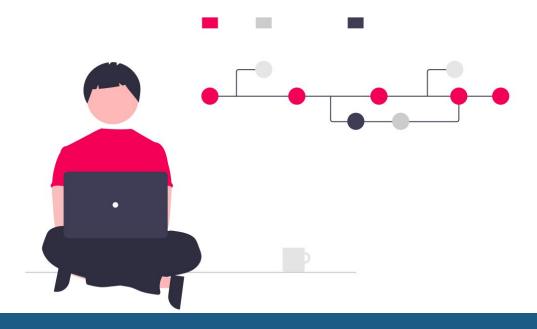
#### What ideas you have for...



...how you might use SkillBlox?

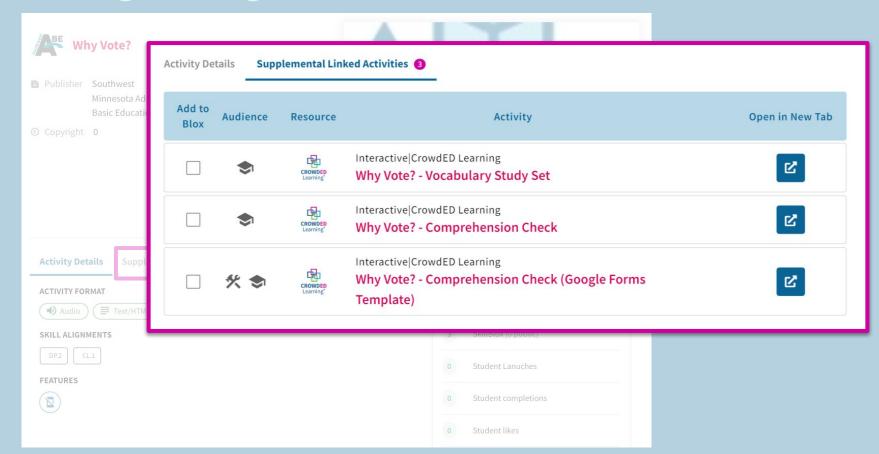
...the types of Blox you might create?

...how you might use Stax to coordinate use of SkillBlox?

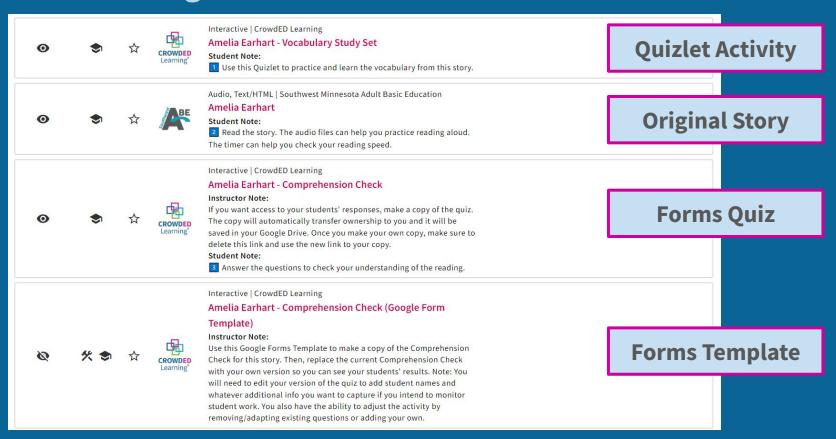


## What's Next?

#### **Building Reading Curriculum with SkillBlox**



#### More Reading Lessons... Levels B - D



#### **More Content!!!**

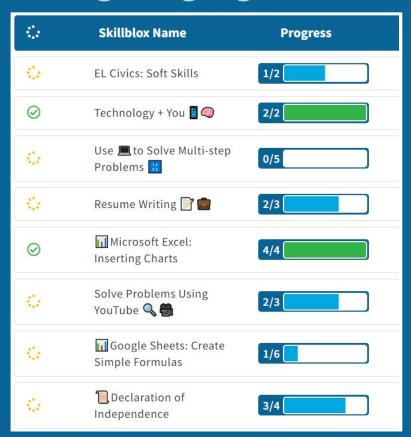
- Focus on ESOL resources
- Offline / printable resources from GCF and PLA
- TSTM-aligned activities created by makers from the ETMS





#### **Learner Dashboards + CCRS Reading/Language Content**

- What skills has this learner developed?
- How much time have they spent in learning?
- What resources/resource types seem to be most effective/engaging?



#### Search by Resource

Instructors want to be able to see everything available from a particular publisher.

By Framework	By Keyword
ESL Literacy Readers	SEARCH

Link to list of SkillBlox Resources (Aug 2024)



#### Quickly Find Activities from Your Favorite Resources

The new and improved SkillBlox has over 6,000 activities (and growing) from a wide-range of high-quality free and open educational resources!

Want to see all of the activities from a particular resource? Simply create a new SkillBlox and enter the resource title or publisher name in "By Keyword" to see all of the available activities.



#### Reading / Vocabulary

ESL Literacy Readers (Bow Valley College)
Reading Skills for Today's Adults (Southwest
Minnesota Adult Basic Education)

The Change Agent (World Education)
Learning Chocolate (Learning Chocolate)

#### Mathematics

CK-12 (CK-12 Foundation) Flexbooks 2.0 (CK-12 Foundation) Khan Academy Math (Khan Academy) Math Is Fun (Math Is Fun) PhET (University of Colorado-Boulder)

#### Civics Education

iCivics (iCivics Inc.)
Preparing for the Oath (Smithsonian Institution)
U.S. Civics Test Lesson Plans (USCIS)
We Speak NYC (City of New York)

#### Health Literacy

Staying Healthy (Intermediate) & Staying Healthy for Beginners (Florida Literacy Coalition)

#### ■ Digital Literacy

Applied Digital Skills (Google for Education)
Basic Computer Skills MOOC (WISC-Online)
Digital Citizenship Curriculum (Common Sense
Education)

Crash Course (Crash Course)

DigitalLearn.org (Public Library Association) GCFLearnFree (Goodwill Community Foundation) News Literacy Project (News Literacy Project) Northstar Digital Literacy Assessment (Literacy Minnesoto)

Social Media Test Drive (Cornell University and the Cornell Research Foundation, Inc.)

#### \$Financial Literacy

Better Money Habits (Bank of America) Practical Money Skills (Visa)

#### Workforce Preparation

Learn to Earn Toolkit (National Center for Familie Learning)

Workplace Readiness Skills (Clark County School District)

## **Follow Our IES Research Project**

- Visit our TSTM / SkillBlox Project
   Page for project resources,
   latest blogs, etc. around the IES instructional pilot!
- Sign up for our CrowdED
   Learning newsletter (monthly)
   for updates and tips on SkillBlox
   and other great OER info/news.

TSTM-SkillBlox Project Page



## Research Timeline: TSTM/SkillBlox

#### Jun 2022 - Dec 2023

Series of Maker Spaces to understand necessary supports for effective OER curation and reusable OER design.

#### Sep 2023 - May 2024

Development of SkillBlox features that support search, evaluation, organization, and sharing of OER

#### **June 2024 - Spring 2025**

Usability/feasibility study and RCT study to understand core use cases and impacts of using SkillBlox to share, reuse, and adapt OER



#### Share a Video!!!!!



bit.ly/VAvidlib



### jeffrey\_goumas@worlded.org



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# Thank You!