



# 6 EdTech Products to Boost Educational Outcomes



# Table of Contents

# Overview: Pandemic Educational Funding

## CARES

Obligated by September 2022

- Known as ESSER I fund
- Passed March 2020
- Provided \$13.5 billion to the ESSER Fund

## CRRSA

Obligated by September 2023

- Known as ESSER II fund
- Passed December 2020
- Provided \$54.3 billion

## American Rescue Plan

Obligated by September 2024

- Known as ESSER III fund
- Passed March 2021
- Provided \$122.7 billion

(Source: Future-Ed & NCSL)

## Funding Factoids

- Congress gave over \$190 billion to school districts between 2020 and 2021 (Forbes)
- K-12 ESSER funds represent a 400% increase in normal pre-pandemic funding (K-12 Dive)
- The U.S. Department of Education approved all state ESSER implementation plans as of January 10, 2022 (NCSL)

## District Snapshots

- Many states are revamping curriculum and providing teacher PD on crucial topics, including digital learning
- New York expands learning opportunities by funding a multi-year expansion of full-day, universal Pre-K
- New Hampshire's Recovering Bright Futures provides access to free small-group instruction (learning pods) for K-8 students
- Kansas offsets fieldtrip costs to get kids excited to return to school for 2022

Sources:

<https://www.forbes.com/sites/chadaldeman/2022/01/20/focus-on-student-outcomes-not-how-federal-funds-are-spent/?sh=3df95685539c>

<https://www.k12dive.com/news/lawmakers-urge-fiscal-accountability-of-k-12-esser-funds/610270/>

<https://www.future-ed.org/what-congressional-covid-funding-means-for-k-12-schools/>

<https://www.future-ed.org/with-an-influx-of-covid-relief-funds-states-spend-on-schools/>

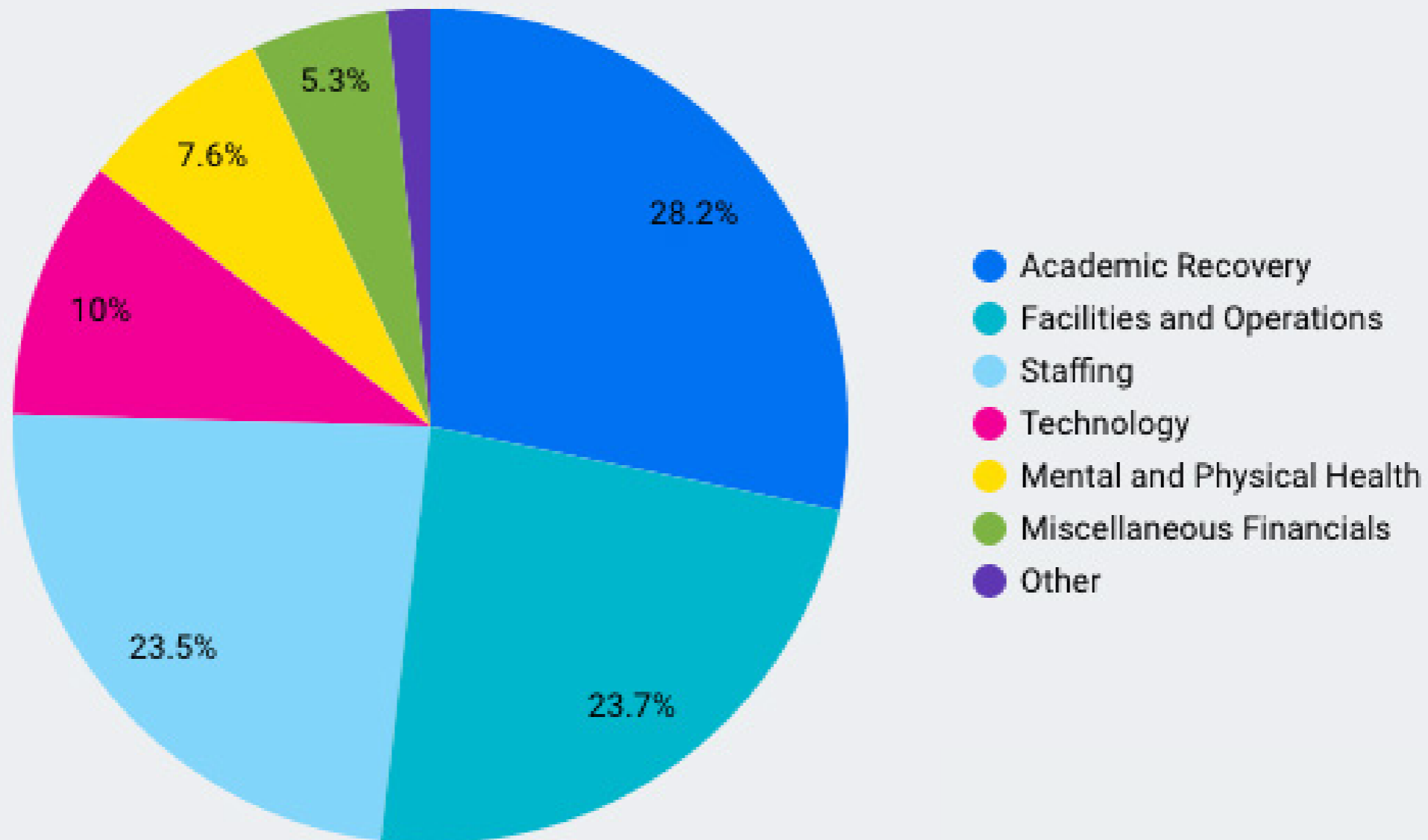
<https://www.ncsl.org/ncsl-in-dc/standing-committees/education/cares-act-elementary-and-secondary-school-emergency-relief-fund-tracker.aspx>

# ESSER III Spending Plans

Amount Budgeted  
\$50,603,598,046

Number of Districts  
3,056

% of K-12 Students  
60%



This spending analysis from FutureEd is current as of Feb. 15, 2022. Data was compiled from Burbio and includes data from 3,056 schools districts and represents 60% of K-12 students and shows \$50,603,598,046 worth of planned COVID relief funding allocations.





**iRobot®**

# Hello, World

## Introducing the Create® 3 Educational Robot

**Your foundation for mobile robot development**  
**Good for advanced coders & makers (16+)**

The next generation of iRobot's affordable, trusted, all-in-one mobile robot development platform. For advanced makers learning ROS 2. The Create 3 educational robot offers a suite of module, sensors, LED lights, wheels, and behaviors to fuel robotics exploration.

**Supporting educators**

With the iRobot Education learning library, teachers can access tutorials and sample projects, or venture into expansive, online open-source databases for access to software packages and libraries with ROS 2 or Python 3.

**Root rt1 & Root rt0**  
**Good for beginners (6+)**

Easy for beginners, but still challenging to keep experienced coders engaged with 3 Learning Levels. Students can begin with graphical coding before advancing to hybrid coding, then full-text coding.

\*The Create 3 does not include cleaning hardware.

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# Cardboard today, the world tomorrow.

Makedo is a simple, open-ended STEM learning experience that teaches students the design process through creative cardboard construction.

Unique no-tech tools make it safe and easy for kids as young as four to cut cardboard, punch holes, and connect upcycled (repurposed) everyday cardboard into imaginative and useful creations.

“It’s the most popular station at our #makerspace after school event!”

– @MrsKosmicki

“The pure joy of watching my students create is indescribable.

They left legos for #makedo and cardboard boxes #reduce #reuse #recycle to make forts and furniture.”

– @ladyvolhoops

## How Makedo Works

CUT



PUNCH



CONNECT



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# TEACH STUDENTS INVENTION LITERACY

## Invention kit for the 21st century

Makey Makey is a STEAM solution that teachers can use with confidence. No coding experience or setup is required. Plug it into a computer, and Makey Makey transforms everyday conductive objects into touchpads, empowering students to learn through imaginative play and discovery.

### FITS INTO HYBRID LEARNING

It's easy for teachers to get started using Makey Makey for hybrid learning and remote instruction because it requires no setup and is compatible with most school and home equipment.

### NEW PLUG-&-PLAY APPS

Access hundreds of free online activity guides and new browser-based apps. No subscription required! These ready-made lesson plans save prep time and let students dive right into inventing.

### TRANSITION FROM MAKING TO CODING

Makey Makey engages young inventors with physical activities like building and making – away from the computer screen. Online resources make for an easy transition when students and teachers are ready to jump into coding their own projects.

**INSPIRE STUDENTS  
TO START INVENTING.**

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# Connecting Students to Essential Audio

Boosting focus keeps your students engaged. AVID is here for every step of the student journey with solutions designed to meet students' needs at every grade level.

## AVID Supports Sustainability

Partnering with the **Done With IT** program, AVID gives schools a FREE way to recycle any make of headphones, headsets, and earbuds.

## AVID Ensures Availability

Availability of essential headsets, headphones or earbuds should not be one of those challenges that hinder educational success. AVID continues to adapt, scale, and sustain to fulfill real-time demand.



**20 Series**  
Pre-School & Primary



**30 Series**  
Primary & Secondary



**50 Series**  
Middle & High School



**70 Series**  
High School & College

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# IPEVO

# Simple, Affordable, Powerful

IPEVO empowers teachers with radically affordable and compact plug & play document cameras that are simple, intuitive, and flexible, so that precious time and resources can be wholly dedicated to teaching.



## Fosters creativity in lesson planning

IPEVO's multi-use design and free software add-ons let teachers use their camera as an overhead projector, scanner, digital camera, chart paper, and an interactive whiteboard—expanding the possibilities for collaboration in and out of the classroom.

## Addresses special education needs

IPEVO document cameras provide students with physical and learning disabilities better learning environments. IPEVO document cameras can work as a near or distance magnifying device to direct students' attention and bring lesson material into focus.

## Create flipped classrooms

Compact and foldable, IPEVO document cameras let teachers easily take their document camera home to record lessons. Or, using the IPEVO Uplift, teachers can turn their smart phones into document cameras.

## Classroom Uses

- Zoom in on content & enhance live demonstrations
- Showcase objects that encourage discussions
- Model math operations
- Review tests & essays
- Share textbook or book passages
- Focus student attention on the material at hand

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# A Virtual Whiteboard for Mind Mapping

Enhance educational outcomes through visual learning

The human mind is optimized for visual thinking. MindManager® empowers teachers and students to work, communicate, and learn more effectively by providing a unique set of visualization tools that manages numerous sources and content. Teachers and students alike can build flowcharts, concept maps, timelines, diagrams, and also visualize data in whatever way best fits their lesson or project.

## Teacher Benefits

Reduces lesson preparation time, streamlines the development of collaborative lesson plans, and improves student engagement with visual cues.

## Student Benefits

Students can overcome learning roadblocks with visual diagrams that promote better understanding and information retention and helps students better organize ideas and reference material to improve academic performance.



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# Trends Impacting K-12 Strategic Investments



## Professional development & digital curriculum resources

Teaching 21st-century skills requires supporting teachers as learners. Educators and students can benefit from EdTech solutions that provide curriculum, professional development, and training so that teachers can wield the latest EdTech like 3D printers, coding robots, and VR.

## School-to-home communication

Establishing open lines of communication with parents is critical to helping students stay on track academically and manage the emotional ups and downs of pandemic-related adjustments. Creating a classroom social media page on Instagram or creating a class newsletter can be a fun and effective way to share student projects and upcoming lessons with parents.

## Student privacy & cybersecurity

Spending on IT infrastructure, including cloud-based data centers and cybersecurity enhancements, has increased in response to cyber threats. Many schools are investing in learning management systems with built-in safety tools that track students' internet searches and academic performance and pinpoint threats, violence, bullying, and even the increased likelihood of self-harm.

## Holistic SEL approaches

Addressing student health and well-being has shifted from virus infection mitigation to increasing access to counseling and mentoring. More teachers are now training to handle student depression, anxiety, and suicide. Proactively, some schools are getting creative about getting kids excited about returning to school by providing unique, engaging learning experiences, including footing the bill for more field trips and even student film workshops and festivals.

## Educational equity

Boosting 1:1 initiative and student internet access jumped during the early stages of the pandemic. Now growing efforts are focused on tutoring to improve educational equity. Many schools are tapping into a growing trend called pod learning, a form of small group instruction. While sometimes criticized as an option only viable for affluent districts, Central Falls School in Rhode Island proves critics wrong. 68% percent of students at Central Falls are eligible for free or reduced lunches, yet the school successfully implemented a free community-led learning hub offering both academic mentoring and tutoring.

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