



# Accessibility for all students

# Personalize learning for inclusive instruction.

Lumio is a digital learning tool that supports Universal Design for Learning by transforming lessons into active, collaborative learning experiences that engage students on their own devices.

Lumio provides all students including those with varying abilities and needs the support they need to enhance academic and social participation at home or at school. It **enables student choice**, providing multiple means of representation and expression as well as **a variety of ways to engage with, practice, and show their learning**.

**Lumio also has multiple forms of providing feedback**, both instantaneous through game-based activities, or freeform teacher provided responses, so students can get the guidance they need, however they need it.

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Lumio has transformed the special education classrooms at Oakdale Joint Unified School District.

One special education teacher with the district says ***"I find that with my students [with diverse or unique profiles], using Lumio Lessons helps with engagement and overall lesson acquisition. We use it as part of our daily routine, with our calendar lessons and "Daily Three" checklists. For our students with disabilities, it has been a game-changer!"***

# Physical Accessibility

**Let students connect digitally wherever they are.** Lumio provides different ways to work together in and out of class, on the internet-enabled device of their choice, **overcoming physical barriers to make content accessible for all students.**



- **Deliver lessons to student devices.** Teachers deliver lessons from their own device or front of room display, while simultaneously sharing content on student devices. Annotations appear on student devices in real time so students with visual, auditory, and mobility challenges can follow along.
- **Supports the hardware accessibility features students already use.** Lumio's device-agnostic, web-based interface allows students to access and interact with content using their existing accessibility hardware.
- **Teacher and student-paced delivery modes.** Teachers can lead the entire class through the lesson material, benefiting students with motor-control challenges. Student-paced delivery to allows students to navigate the file independently, providing them with opportunities to review content and understand the material deeper at their own time.
- **Support for synchronous and asynchronous learning.** Lumio allows students to engage and participate anytime with easy to access lessons. Students can log in to join a live lesson or click a teacher's shared link to continue learning, practice, review, and collaborate anytime outside of class. This allows students to minimize missed lessons, review content, and continue their learning from anywhere
- **Add digital manipulatives to develop fine motor skills.** Digital manipulatives are interactive objects students can drag and drop, rotate, expand, and ink over. These activities can be accessed on student devices allowing students to expand or change manipulatives to fit their needs while developing fine motor skills during the activity.

# Visual Accessibility

**Personalize learning on student devices for inclusive instruction.** Lumio lessons are simultaneously shared to student devices making it easier for students to see the content. With teacher and student tools that allow lessons to adapt to learning needs, all students, including those with visual challenges, can follow along, interact and contribute to the lesson.

- **Immersive Reader in Lumio provides augmentative and alternative communication (AAC) for students with reading challenges so they can engage with text easier.** Integration with Immersive Reader provides text-to-speech, translation, contrast, and additional text accessibility features to provide literacy support for students. Students can display the text with different colors and spacing options or be shown a related picture to support aided language simulation. Build confidence for developing readers, aid reading comprehension, and increase fluency for English language learners to help students participate more equitably.
- **Add recorded audio for students.** Record audio to accompany any lesson page, providing explanations and instruction to auditorily support learning, and lesson recall for students with memory challenges or language barriers.
- **Student controls for navigation and zoom.** Students can easily zoom in on content for better visibility. Student-paced delivery to allows students to navigate and review the file independently, providing them with opportunities to review content and understand the material deeper at their own pace.
- **Works alongside the visual accessibility features students already use.** Lumio is web-based and device-agnostic so students can continue to use their existing visual accessibility devices.
- **Supports a variety of multimedia content.** Lessons can provide greater visual support with video, images, audio, and web links that provide students with multisensory examples and references. This engages students and provides multiple means of representation in learning choices to resonate with the student, no matter what type of learner they are.



# Auditory Accessibility

**More ways to learn.** Lumio gives all students a front-row-seat to digital lesson content on their devices, allowing greater accommodation for auditory impairments. It has a variety of built-in tools that help you easily customize your lessons to personalize delivery and how students respond.



- **Integration with Immersive Reader.** With text-to-speech, translation, contrast, and additional text accessibility features Lumio's integration with Immersive Reader provides literacy support and builds confidence for developing readers, helping all students participate more equitably.
- **Flexible ways to show student learning.** Lumio's student creation tools allows the students to have multiple means of action and expression so they can take ownership of their learning and share their knowledge in a way that works for them, move at their own pace, and connect with peers. This supports students with auditory, communication and other related needs through augmentative and alternative communication (AAC) in accordance with the participation model.
- **Flexible ways provide digital feedback.** For students with challenges hearing auditory feedback, Lumio lets teachers see each student's work with the click of a button and provide meaningful feedback in a digital format to fit each student's learning needs. More than just marking something right or wrong, Lumio lets you give individualized feedback like notes, questions, and learning references to support varying student needs.
- **Works alongside the audio accessibility features students already use.** Lumio's device-agnostic, web-based interface ensures students can access audio accessibility features, such as audio boosting and clarifying, on their existing devices.

# Social Communication Accessibility

Let's learn together.  
#WeAreSMART

**Flexible ways to for students to communicate, participate, practice and show learning.**

- **Flexibly lead collaboration and learn from others with collaborative workspaces.** Whether a lesson is primarily teacher-led or free-form student-led group activities, collaboration in Lumio can help encourage students to take part comfortably. Students can work in pairs, in small groups or together with the whole class. This allows students to see the teacher, or their classmates model the work and provides them with guidance supporting Aided Language Stimulation.
- **Give every student an opportunity to share voice.** Support instant brainstorming and discussion with Lumio's Shout It Out activity. Students can participate with text and images from their devices while minimizing identification so students with social, emotional, and behavioral difficulties are more inclined to share.
- **Create connections between the real world and learning.** Nonverbal students may experience challenges in communicating their needs, questions, thoughts and learnings with their peers and teachers. Multimedia elements can help to close that communication gap.
- **Supports the AAC features students already use.** Apps like [Proloquo2go](#) and [Dynavox](#) were designed to help teachers empower kids who have limited or no speech with an alternative way to communicate. Students who use Augmentative or Alternative Communication (AAC) in the form of devices with communication apps import symbols directly into Lumio, or the students themselves can communicate their responses using their devices in real-time into Lumio alongside their peers.



*"Technology gives students a voice in a sense that they don't actually have to use their physical voice to share their thinking or ideas. It's really amazing."*

Lauren Aubry, Camelot Elementary, TX

# Literacy Tools for Active Learning

The right digital tools can be key to successfully implementing literacy strategies. Lumio brings engaging lessons and games, formative assessment, and collaborative workspaces to students through their devices. Students connect in real-time or on their own time to activities that help them take charge of their learning while clearly demonstrating progress to their teacher.

**Bridge print and digital reading.** Lumio incorporates aspects of hands-on reading, such as touch interaction, slow reading and multisensory teaching techniques help support improvements in reading outcomes.

- **Digital manipulatives make reading more tactile and multi-sensory.** Let students play with and rearrange text to reveal or evaluate meaning.
- **Enable slower reading and deeper thinking.** Lumio delivers text to students' devices in smaller chunks, removing distractions so they can re-read, revisit, rethink, and interact in ways that support and scaffold their experience

**Enable Peer-to-peer and small group work:** Create an environment where students can collaborate in small groups to share ideas, connect with prior knowledge, and think critically about their reading helps develop the skills they need to succeed.

- **Allow for easier differentiation.** Lumio lets teachers remix resources for groups of students according to their needs, saving them time building and compiling.
- **Student-paced learning.** Lumio lets teachers move from teacher-based to student-paced anytime during delivery and conduct mini-lessons based on each group's ability.
- **Help students read critically together.** Lumio's collaborative workspaces let students collectively read and mark up texts. Groups can create visual representations of their thinking and opinions to organize and analyze. Students learn from peers' prior knowledge, share interpretations, and expand their understanding

**Empower student-directed learning:** Lumio helps develop a love of reading, which contributes to better reading skills, stamina, and fluency.

- **Equitable participation with Immersive Reader.** Build confidence for developing readers, aid reading comprehension, and increase fluency for English language learners.
- **Give students diverse, media-rich ways to respond to reading.** Students can choose to highlight or circle parts of a text, add notes, images and links to their analyses.
- **Get students excited and motivated to read.** Provide students with a diverse set of materials, media and paths in Lumio. This gives students a choice in what and how they read, letting them take learning in their own direction

# Mental Health and Wellbeing

Learn more about our partnership with Kooth

<https://go.smarttech.com/kooth>

## Help students learn to work together and build self-efficacy

Tools that support SEL are embedded into Lumio lessons, allowing students to bring more of their identity to their learning and share their voice.

- **Incorporate relationship-building** into lessons with interactive activities. Shout It Out helps augment discussions by letting students share contributions and learn from peers' prior knowledge. Easy-to-customize games create team bonds and build classroom relationships.
- **Help students build social skills**, in class and at home, with collaborative workspaces that let them work in groups for ideation and co-creation.
- **Develop self-awareness and self-management skills** by offering students choice. Choice boards give students multiple means of engagement that tap into their interests. With a diverse set of materials, media, and learning paths available, plus the ability for students to navigate the lesson on their own, Lumio allows students to take learning in their own direction and allows educators to give different students varying levels of work depending on their learning needs.
- **Include CASEL-aligned activities** based on high-impact teaching practices. Its easy to incorporate student wellbeing activities into Lumio lessons with partnerships with leading student wellbeing content providers like Kooth.

