



# Chesterbrook Academy Elementary School



West Chester, Pennsylvania

# ABOUT CHESTERBROOK ACADEMY ELEMENTARY

We are Chesterbrook Academy Elementary School, part of Nobel Learning Communities. We are a private school in West Goshen, Pennsylvania, dedicated to the education of learners in Pre-K through fifth grade. For 20 years, we have been educating, motivating, and inspiring learners in Chester County and are proud to have become an elite school which strives to "Build Opportunities for Individual Success."

Our school is built on Opportunity, Relationships and Community. These three components are embedded into every interaction with learners, creating an environment that is unique, personal and engaging. Educators, parents and learners work collaboratively to create an experience that makes CBA a place to learn, grow, and work, that can't be found anywhere else.

With technology, we are able to meet the individual needs of learners, while creating learning opportunities that require problem solving and critical thinking. Our educators employ project-based and experiential learning that allows learners to learn more about the world outside our four walls, immersing them in real-world events and exposing them to different opportunities and cultures. Collaboration with classmates and educators is ever present, constantly ensuring that learning styles, interests, and individual motivators are all a part of each learning experience.

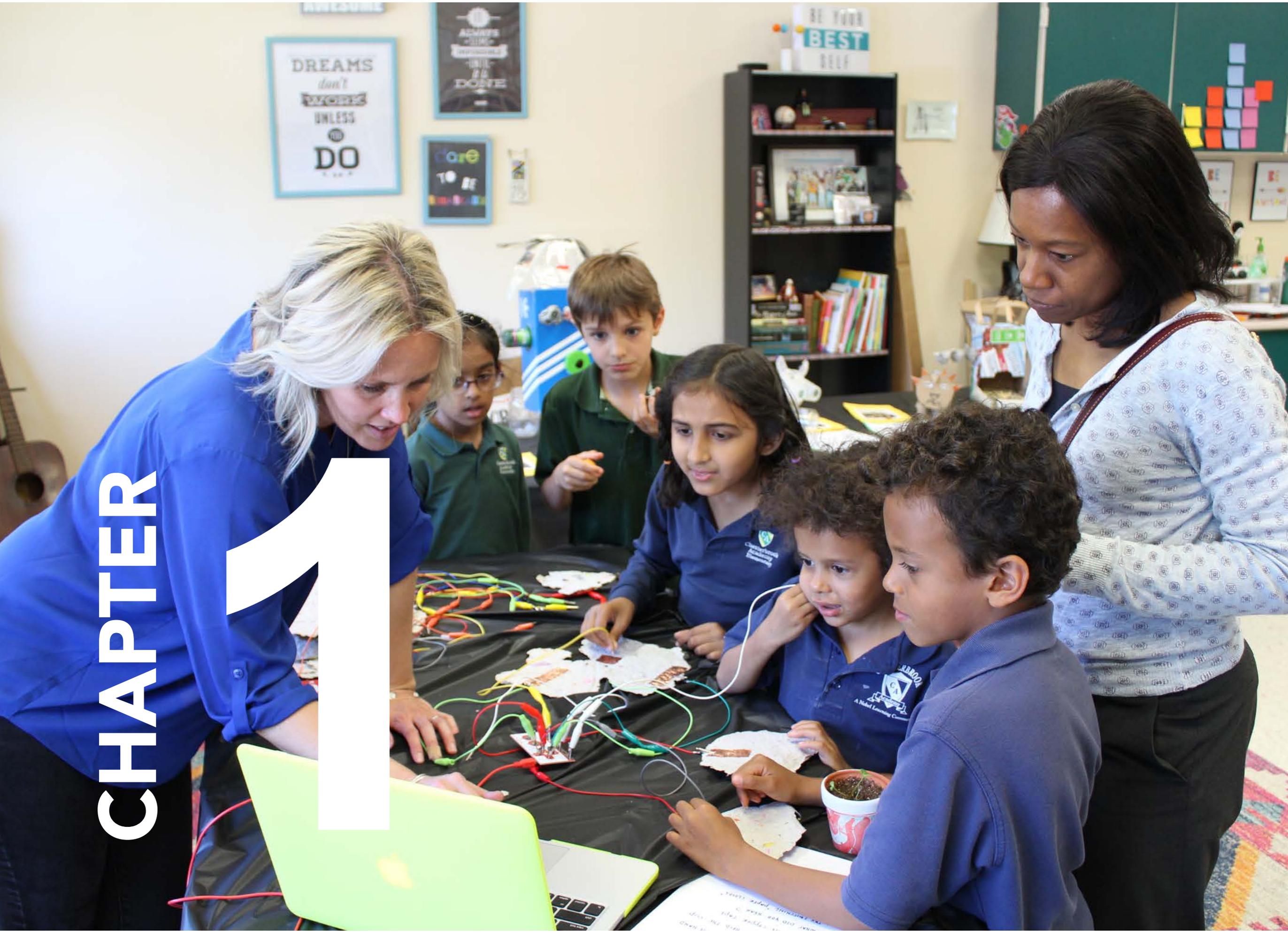


Recognized by Apple as a distinguished school for continuous innovation in learning, teaching, and the school environment.



# CHAPTER

# 1





# VISION

## REAL-WORLD LEARNING



The fifth grade kindness crew welcoming learners and parents!



Personalization is the hallmark of who we are at Chesterbrook. Putting an Apple device into the hands of each learner promotes learner choice and encourages them to take educational risks that wouldn't be possible without it. Educators have become facilitators of learning, collaborating with them to help their ideas become reality. Learners are designers, innovators and critical thinkers, which are necessary skills for their future success. The accessibility to the most current technology continually provides learners with the most authentic learning experiences possible.

## BELIEF STATEMENTS

-  We believe that technology provides transformational opportunities for our learners.
-  We believe in developing successful 21st century learners.
-  We believe that providing a safe and nurturing environment allows learners countless opportunities for risk taking, creativity, independence, and self-expression.
-  We believe that each learner is a unique individual whose strengths and interests should be nurtured, respected, and encouraged.

 We believe that the collaboration between parent, educator

# Foundational Beliefs

## Opportunity

Opportunity is one of the three foundational beliefs that makes CBA the dynamic learning environment it is. Our approach to personalized learning and tailoring instruction to the student allows for collaboration with educators, learners, parents and the outside community. Combining with the use of technology provides our learners with limitless opportunities.

## Relationships

The partnerships we build with our learners, families, and faculty are true relationships. Our innovative learning and teaching begins with the personal connections that our educators create in the classroom. CBA families support our personalized, dynamic learning environment which fosters and sustains our community.

## Community

The environment that CBA provides its learners is built on a culture of collaboration and community. Our community continues to play an integral role in supporting our learning model, mission and vision.

# ROLE OF KEY STAKEHOLDERS

Chesterbrook Academy is a part of Nobel Learning Communities which ensures that our learners are making the most of their potential. Each month, the Education Department distributes information on the most current technological advancements for our classrooms and connects us with sister schools across the country. They continually provide support to our educators, seeking ways to help improve teaching methods and ensure that our educators are using the best tools available to them.

100% of the educators at Chesterbrook Academy are certified Apple Teacher Certified. Several of our educators collaborate with the Education Department to learn more about technology related opportunities for our learners, and to share the innovative and creative work our

learners have done. Educators share this information on new technology to our faculty and staff as part of ongoing professional development. Their commitment to the implementation of new apps and technologies, and development of 21st century skills helps Chesterbrook Academy maintain their status as an elite school in Chester County.

Our administrative team ensures opportunities to collaborate with other schools in the Nobel family are readily available. In the past, learners have collaborated on Poetry Blogs, visited the Wolf Sanctuary and created Keynote presentations and have joined each other on experiential learning opportunities.

Chesterbrook Academy has an open door policy. Parents of our learners are encouraged to be a

part of their learners' educational journey. Through parent-educator conferences, the use of Seesaw, Twitter, Facebook and learner presentations, parents have become digital partners in the daily life of their learner. The collaboration of our Education Department, Administration, educators, and parents ensures that our vision to continually provide accessibility to the most current technology and the most authentic learning experiences possible is carried through each day.



According to our most recent Parent Assurance Survey, 97% of parents at Chesterbrook Academy are very satisfied with the technology instruction their children are receiving.

# GOALS AND SUSTAINABILITY

## OUR MISSION

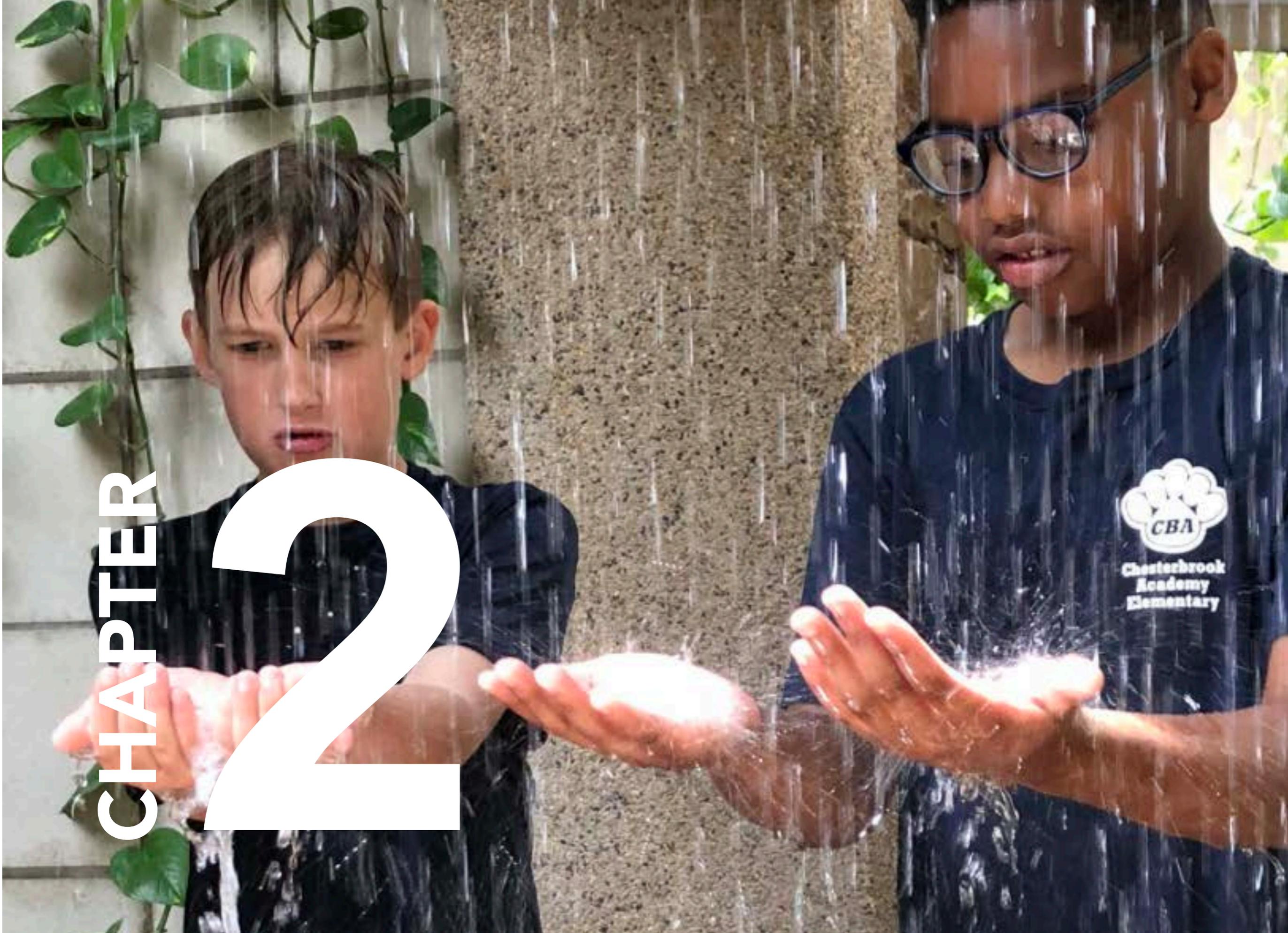
The goal and mission of Chesterbrook Academy Elementary in West Chester is to create an educational environment that develops 21st century learners through the collaborative efforts of parents, faculty and learners. By customizing their academic and social experience, we engage learners in authentic learning opportunities designed to foster their ability to become well-rounded individuals in school, at home and in the community.

Nobel Learning Communities and the Education Department share a common vision with Chesterbrook Academy Elementary School. Through financial and academic support, they help us make sure that our goals are realized. Our Parent

Advisory Council sees the value in the technology instruction at our school. They support our goals even further through various community fundraisers and family centered events. Our commitment to ongoing professional development coupled with

educators who have been with us for an average of nine years allows us to devote time, energy, and funding into this common cause.





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# LEARNING



Our educators help develop 21st century skills through learning activities that are project-based and connected to the real world. Projects involve collaboration and hands-on experience within the school and community. Apple Technology and the 1:1 iPad program gives learners the opportunity to design their own path of learning with the use of Apple apps such as the camera, Keynote, Pages, Clips, and iMovie. They are able to capture and demonstrate their learning to classmates, educators, and family members. Learners are able to share their ideas

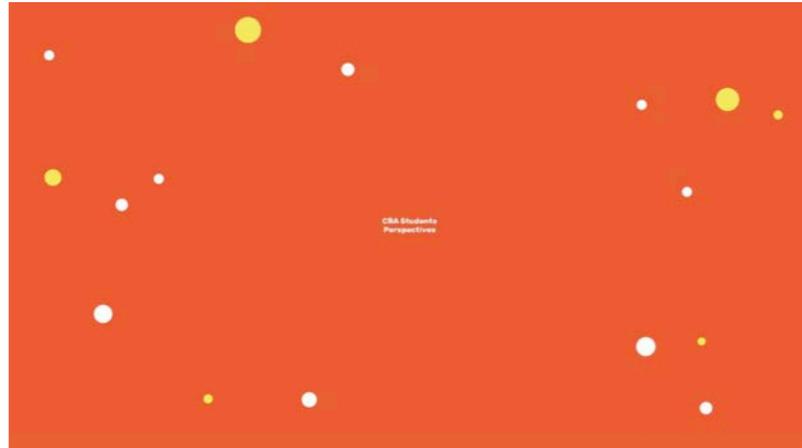
via AirDrop and AirPlay, collaborating in ways they've never been able to do before. The utilization of Seesaw, a digital portfolio, further expands their reach and allows for instant feedback and continuous monitoring of progress.



Second graders created and posted Haiku on a class blog. Local high school learners then blogged with the learners and gave their thoughts on the poems.

# STUDENT LEARNING

## WHAT DO OUR LEARNERS THINK?



## PAPIER MACHE ANIMALS



Using time lapse, fifth graders documented their creation of papier mache animals in art class. They edited their final project in iMovie, and added an original soundtrack created in GarageBand.

## PROJECT BASED LEARNING



Kindergarteners building a compost worm bin for the school garden.

# TEAMWORK

With the 1:1 iPad program learners are able to record their findings and place work into their individual learner portfolio.



Kindergarten STEM learners building and documenting three-dimensional shapes.



Third grade learners worked collaboratively to create a Spanish presentation. Learners used Clips and iMovie for their final projects.



CBA Gardening Club used Clips as a DIY tutorial for their group project.

# STUDENT-LED LEARNING

Learners are designers, innovators and critical thinkers, which are skills necessary for their future success.

## OZOBOT HAMSTER WHEEL CHALLENGE

Learners in first grade designed different codes for their Ozobots to follow. They then raced each other to see which code created would be the fastest.



## SPHERO CHARIOT CHALLENGE

The use of Sphero allows our learners to engage in coding, problem solving and critical thinking in a way that is fun and captivating.

## STUDENT DRIVEN KEYNOTE PRESENTATIONS



Second graders learned about objects in space. With the use of Keynote, they were able to drive their own learning and create a presentation independently. Learners then presented to our school and parent community.

# COMMUNICATION AND CREATION

Apple Technology allows learners to design their own path of learning.

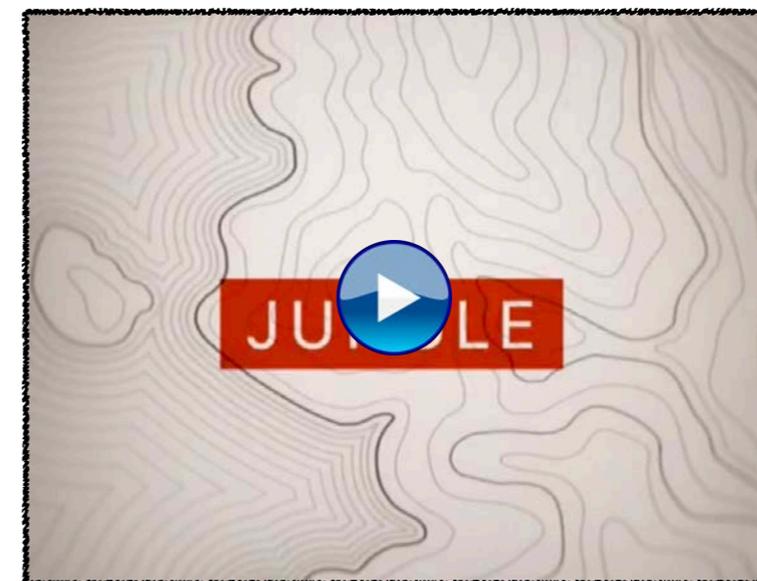
At CBA, we believe communication and creation are the pillars of learner success and help prepare our students for the outside world. Our learners are able to build relationships with their peers and communicate through collaborative work using Seesaw, learner-led Nearpod and through blogging outside of the classroom. Our communication with parents has made it possible for learners and educators to demonstrate their knowledge and creativity. Parents can easily view our community announcements and provide feedback to learners and educators using applications such as Twitter and Seesaw and through our educators' weekly newsletters, created with S'more digital newsletters and flyers.

The use of technology allows learners to design their own path of learning. Their creativity is supported by the freedom to choose the outcome beyond the walls of the classroom. Authentic learning allows learners to create iMovies, design Keynote presentations and use innovation such as Garage Band and Clips. Learners have an enhanced and immediate understanding of the content being taught with the use of technology. This allows learners to express their knowledge, demonstrate their

## PRESIDENTIAL iMOVIE TRAILER



First graders used iMovie to create a trailer about why they would make a good president.



Third grade learners creating poems using Apple Clips.

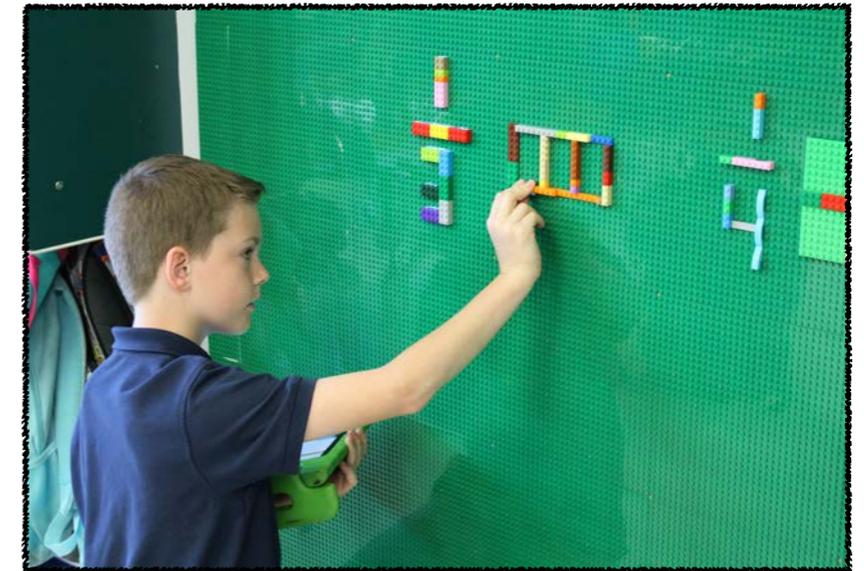
# PERSONALIZATION OF LEARNING

understanding, and use critical thinking to elevate their learning outcome.

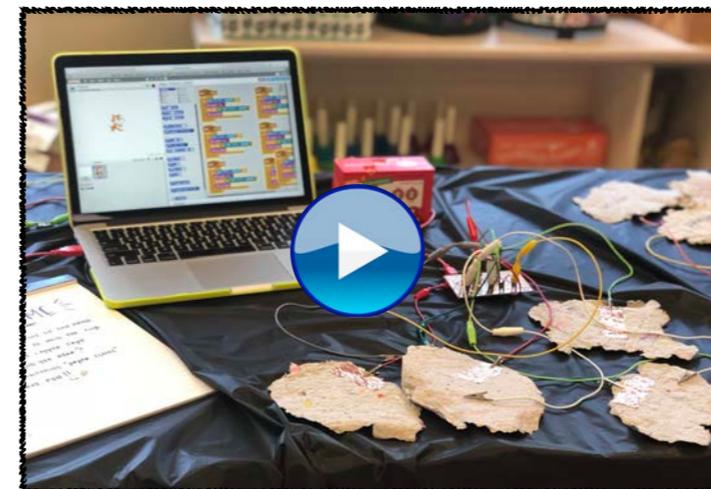
At CBA, personalization of learning begins with access to technology for our educators and learners. Our 1:1 environment allows for our educators to accommodate the individual needs of our learners through curriculum, instructional levels, and interest. The iPad allows our learners to be more engaged and invested as they are active participants in their learning.

The individualization and authenticity of their learning, through apps such as GarageBand, Keynote, iMovie, and Clips, allows our learners to be in control of their learning through personalization, collaboration and connections.

Personalized Learning Plans (PLP) are at the core of the CBA experience. Educators, parents and learners work closely together as members of the learning team to set goals for academic areas, 21st Century Projects, and life and social skills. By allowing the learner to participate in setting PLP goals, they develop a greater sense of ownership of their education. Our 1:1 environment and use of the iPad allows the learning team to initiate, plan and manage the PLP. Learning how each learner best processes information, as well as their preferred learning environment allows our educators to support our learners individual needs and create success.



## MAKEY MAKEY CHALLENGE



Learners in third grade completed the Makey Makey Video Game Controller Challenge.

Our educators use our 1:1 environment to support our students individual needs and create success.

# CRITICAL THINKING

Each day learners are developing a real world understanding of science, technology, engineering & math STEM in concepts through an inquiry-based approach which allows learners to learn through exploration and discovery. By working like scientists & engineers, learners make sense of scientific phenomena in the world around them, apply their knowledge to design solutions, and support claims & solutions with evidence-based arguments and reasoning. Through our comprehensive STEM program, our learners' curiosity is nurtured, a depth of knowledge is built, and key skills are developed to support future success in school and beyond. In addition to learning coding, robotics, and other cutting edge skills in our integrated curriculum, the recent addition of our Wonder Workshop program has truly allowed our learners to explore interests and engage in an authentic and personalized learning path. Learners in Kindergarten through fifth grade can select from workshops related to coding, digital art, sculpture, athletics, or website design.

In our blended learning environment, our school partners with Laurel Springs online private school, to allow our fifth graders to participate in Middle School learning options. We provide daily face to face instruction along with online delivery of content. This model of differentiated instruction and blended learning is tailored to maximize personalized online and face to face education. Learners are provided daily academic and emotional support that allows them to be successful while progressing at their own pace.

Our Wonder Workshop program has truly allowed our learners to explore interests and engage in an authentic and personalized learning path.

## STUDENT-LED LEARNING



Kindergarteners are using their iPad to record how they designed and created 3D shapes.

# REAL-WORLD ENGAGEMENT

The use of technology in our classrooms continually revolutionizes how our learners learn through real-life engagement. Our connected learning platform allows learners to deepen their critical thinking by making connections to real life, real work, real communities while taking advantage of growing opportunities in the digital age. Learners actively participate in a wide variety of learning experiences through the use of their iPad, MacBook laptop, and applications including but not limited to Clips, iMovie, Pages, Keynote, and GarageBand. This authenticity makes learning more meaningful for the learners while making them more aware of their world and community, all of which would not be possible for them without the use of Apple technology.

Past experiential learning opportunities are now elevated with technology. Learners are able to integrate technology into their field trips by creating different projects on their iPad to prepare for and summarize their trip. Learners also have the ability to stimulate their own real-life experiences with applications such as Nearpod Virtual Field Trips and Google Earth.

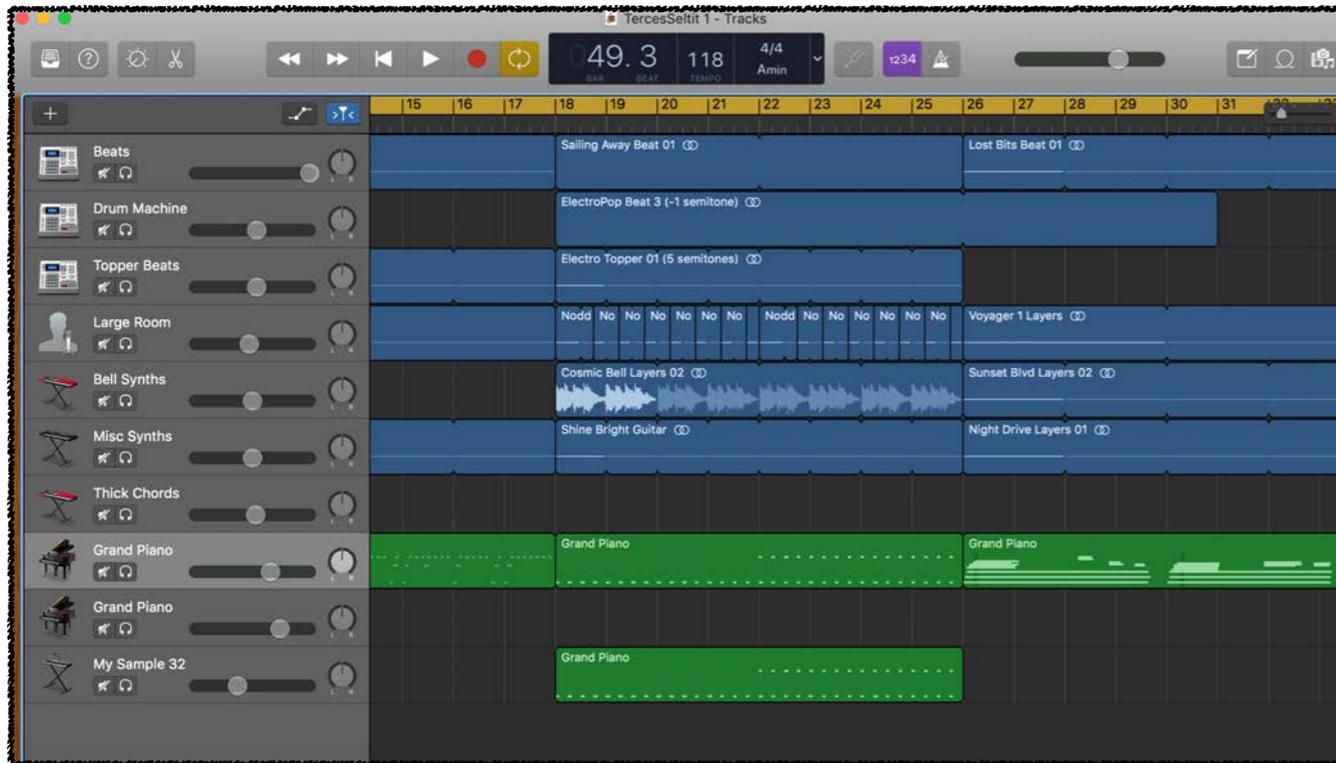


Our connected learning platform allows students to deepen their critical thinking by making connections to real life.



Past experiential learning opportunities are now elevated through the use of technology.

## GARAGEBAND



GarageBand  
Grammys



Students learned how to use GarageBand and created original music compositions. Their final pieces were compiled into an album and shared via SoundCloud.

## REAL-WORLD ENGAGEMENT



Kindergarteners created memories at the Tyler Arboretum.



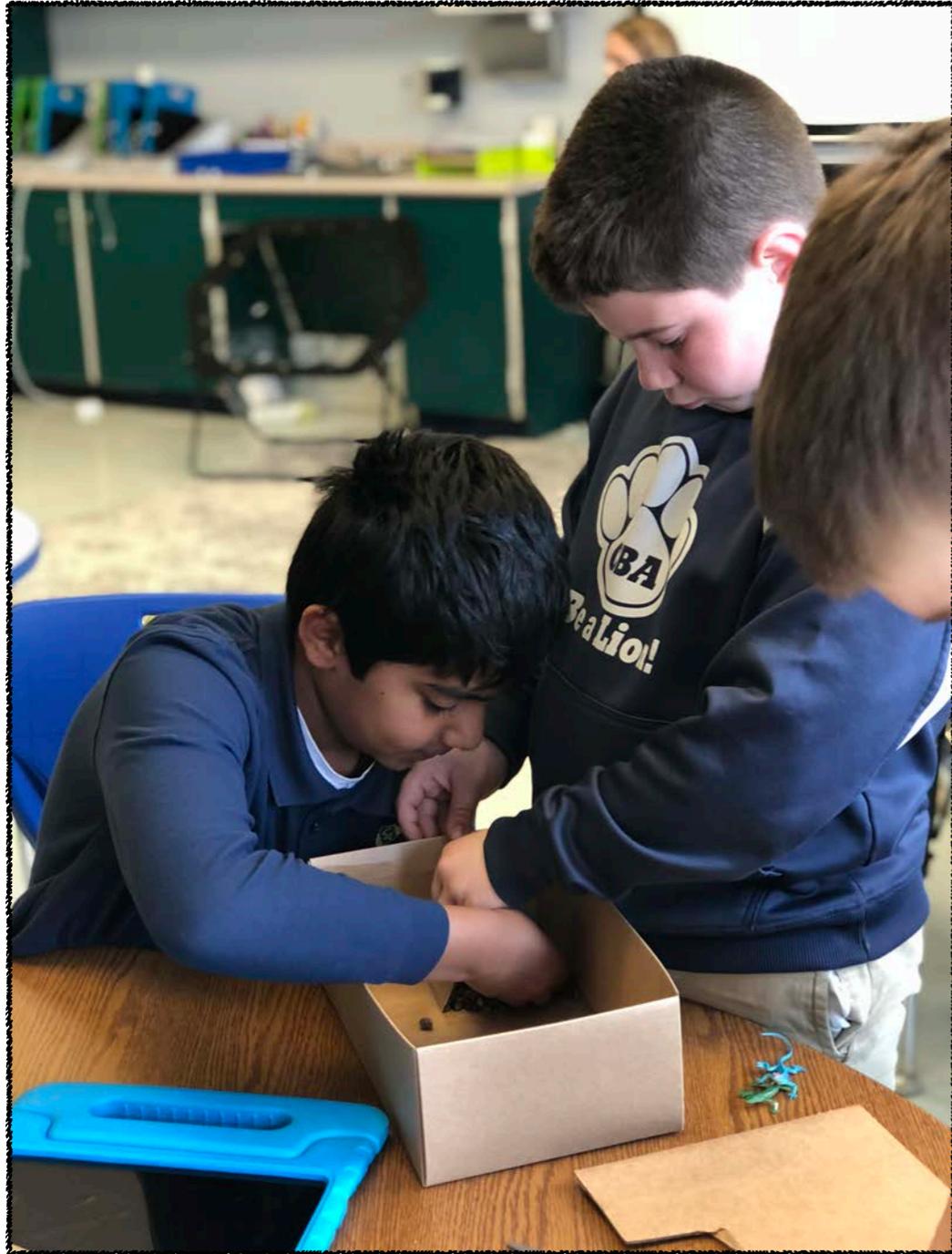
CHAPTER

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# TEACHING



In order to continuously serve our learners, 100% of our teachers are Apple Teacher Certified, which allows them to use Apple technology to design their lessons and classrooms in innovative ways. The use of Apple Classroom allows educators to ditch the desktop, and be fully engaged with learners.

We have been able to further develop and implement strategies through a relationship with an Apple Education Trainer. The feedback we have received has led to improvements and additions to our technology program.

Our educators play a big role in the development of new lessons using Apple technology, through Vanguard roles. Our Lead Literacy Teacher, Lead Tech Teacher, and

Vanguard Teacher work in conjunction with our Education Department to deepen their understanding of new initiatives. Professional learning is facilitated through faculty meetings, S'more newsletters, and more. Through this distributive leadership model, we have been able to move farther and faster in our Apple initiative.

## WHAT DO OUR EDUCATORS THINK?



# PROFESSIONAL LEARNING

Our team takes full advantage of professional learning communities to stay current and up to date through social media. We regularly share the unique style of our environment and learn from others around the world via Twitter, Facebook and Instagram. Further, all faculty are active participants in our school's Twitter voice. With over 650 followers, our reach is extended to over 100,000 peers weekly. Being a part of such a collaborative community, gains us access to more ideas as we work together toward common goals and also take individual interests further if desired.

Educators at CBA also participate in book studies. Each summer, administrators guide educators toward a collection of books to choose from, authored by members of our professional

learning community to ensure a common vision. When school resumes in the fall, we share what we have learned. Educators regularly attend ISTE and other conferences in Pennsylvania and Virginia, The Penn State Altoona Education Conference, featuring Ron Clark, and most recently we have participated in the Apple conference in Maine. Attending educational conferences offers us the opportunity to expand our knowledge of uses for apps and helps us connect with other technologically advanced professionals.



# SHARING OUR JOURNEY WITH THE WORLD

We regularly share the unique style of our environment via Twitter, YouTube, Facebook and Instagram.

FOLLOW US



5,505

78

**Chesterbrook Academy Elementary School** @CBAWestChester · Mar 23

1st graders @STEMscopes are creating an invention based upon a plant. This group was inspired by a Venus fly trap. How their invention helps? If you fall from a tree it will catch you with its fluffy petals. They then used @Seesaw to label and explain their invention. •  
[pic.twitter.com/qLaxqGQ9to](https://pic.twitter.com/qLaxqGQ9to)

[View Tweet activity](#)



5,589

55

**Chesterbrook Academy Elementary School** @CBAWestChester · May 7

5th graders enjoyed morning meeting collaborating while using @nearpod. #happyclassroom #morningmeeting #collaboration #technology [pic.twitter.com/yLrbMftWiz](https://pic.twitter.com/yLrbMftWiz)



**cbawestchester** Follow  
 153 posts 134 followers 0 following  
 Chesterbrook Academy WC Elite Private Prek-5th elementary school. Building opportunities for individual success each day. We are... CBA! Go Lions!  
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 Followed by megan.alaxson, superprekclass, mand0804 + 7 more

# INSTRUCTIONAL DESIGN



Our learners come into the classroom knowing that they are not just entering a classroom but an experience. These experiences are personally shaped for the learners using technology which produces real-world growth opportunities. As Apple Teachers, we

use Apple technology to design our lessons and classrooms in innovative ways. We have been able to take our Personal Learning Plans and make them more perceptible for parents and learners. This individualization is made possible through the help of Apple technology.

Educators

continually collaborate with each other to design their lessons and redefine the experience for everyone. Collaboration features on Notes and other Apple applications make it so that it doesn't have to stop time and can always be a live and working

environment for the educators even when they aren't able to meet with each other. This feature has made it possible for so many technological advances in and out of the classroom for our educators and learners, too. Each week we aren't lesson planning, but we are designing ways for our learners to reach and exceed their personal goals. Apple has made it so that we are equipped with increasingly more ways to achieve these goals.

**Our 1:1 environment allows for students and teachers to continuously collaborate to create individual learning opportunities.**



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# ENVIRONMENT



The flexible and mobile environment at Chesterbrook fuels learning, creation, and productivity. Learners are able to choose where they would like to learn and complete tasks because of the flexible seating offered. Learners are empowered by the ability to choose. This creates a closer community and a collaborative environment which are critical for enhanced learning. The innovation lab and mobile green screen lets learners create in all spaces. In different centers, learners have the flexibility to use different applications to complete activities and assignments which gives them the opportunity to explore new technologies while being more engaged in what they are doing. Learners are able to participate in flipped learning, podcasts, applications, and other activities while the educator works with different learners and levels.

This gives learners of all styles and abilities the highest levels of engagement and the deepest degree of learning and excitement for learning. We believe that learning takes place everywhere so we have made all of our spaces learning spaces.

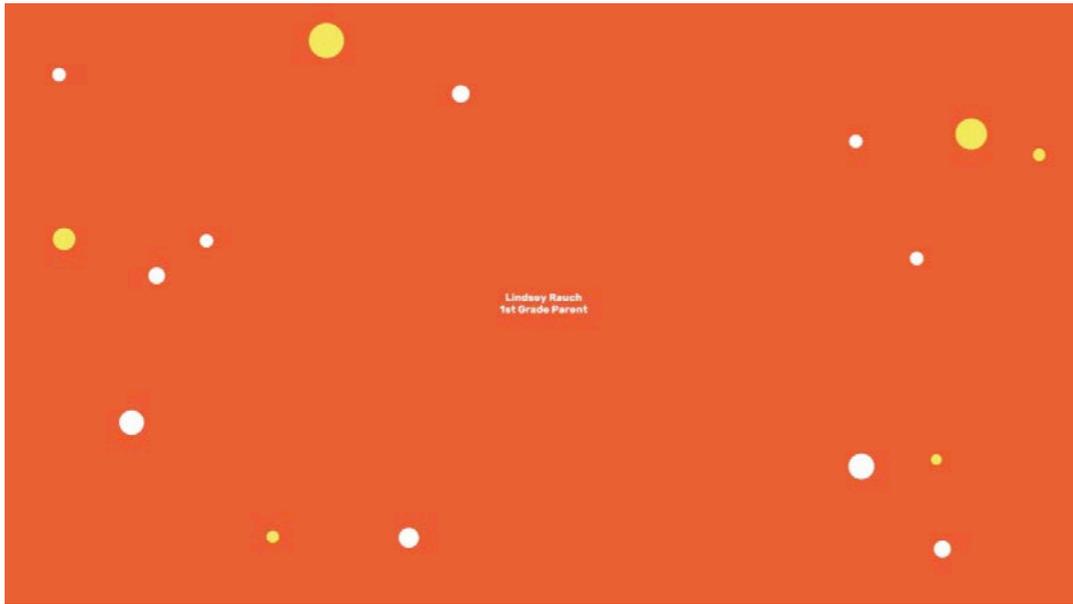
There are over 50 different field trips during the year and learners are able to document and remember their experiences with the help of Apple technology.



Our flexible and mobile environment fuels student learning, creation, and productivity.

# LEARNING SPACES

## WHAT DOES OUR PARENT COMMUNITY THINK?



Outdoor, virtual, and flexible learning spaces paired with Apple technology provide our learners with invaluable skills and experiences.

Learning takes place in our gardens, clubs, and in Wonder Workshops. The variety in learning spaces makes it possible for learners to be fully engaged. Outdoor, virtual, and flexible learning spaces paired with Apple technology provide our learners with invaluable skills and experiences that helps prepare them for the future.



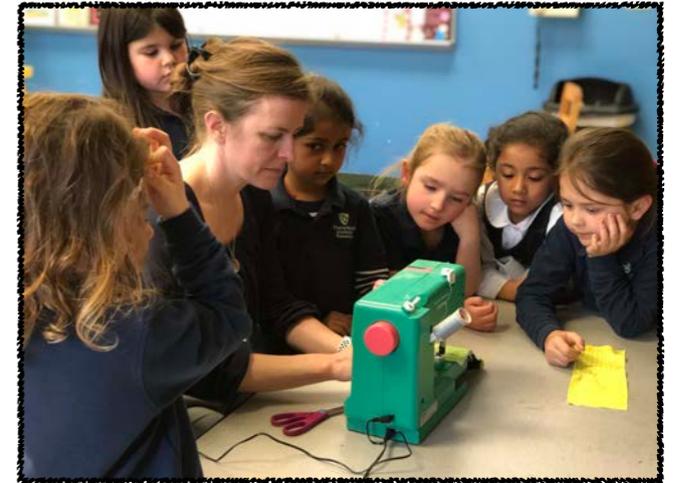
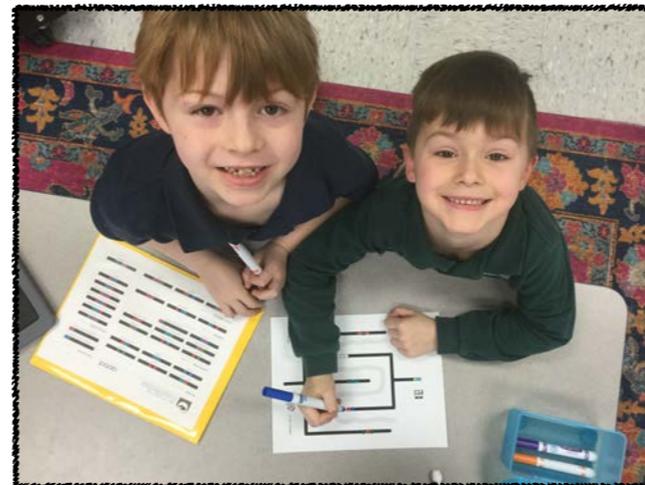
# INFRASTRUCTURE DESIGN

The infrastructure design at CBA is an integral part in supporting our 1:1 learning environment. Our learners are able to engage with various forms of technology on a daily basis. The "Innovation Lab" provides our students with access to 3-D printers, coding robots and a green screen studio. Our students have access to MacBook Pro notebook computers for additional coding experiences and learning.

Each learning environment at CBA, features high definition projectors, portable charging stations, bluetooth sound capabilities and Apple TV to promote engagement. There are numerous wireless access points throughout the building allowing our learners continual access to their technology.

Our educators are equipped with an iPad and MacBook Pro for all classes giving our learners access to continual, creative environment. Through the use of our Mobile Device Management software, our informational technology

manager is able to keep our educators and learners up to date with apps and software.



Our educators are equipped with an iPad and MacBook Pro for all classes.



CHAPTER  
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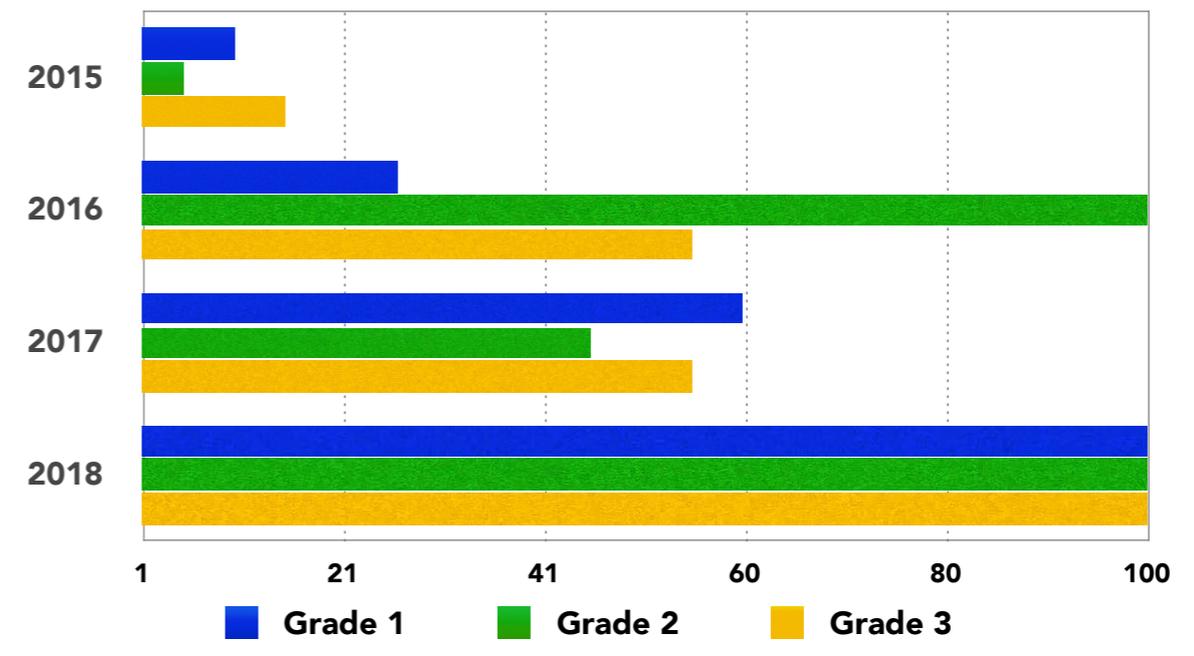
# RESULTS

We are continually enhancing our technology standards to be more aligned with our creative learner-led mindset.

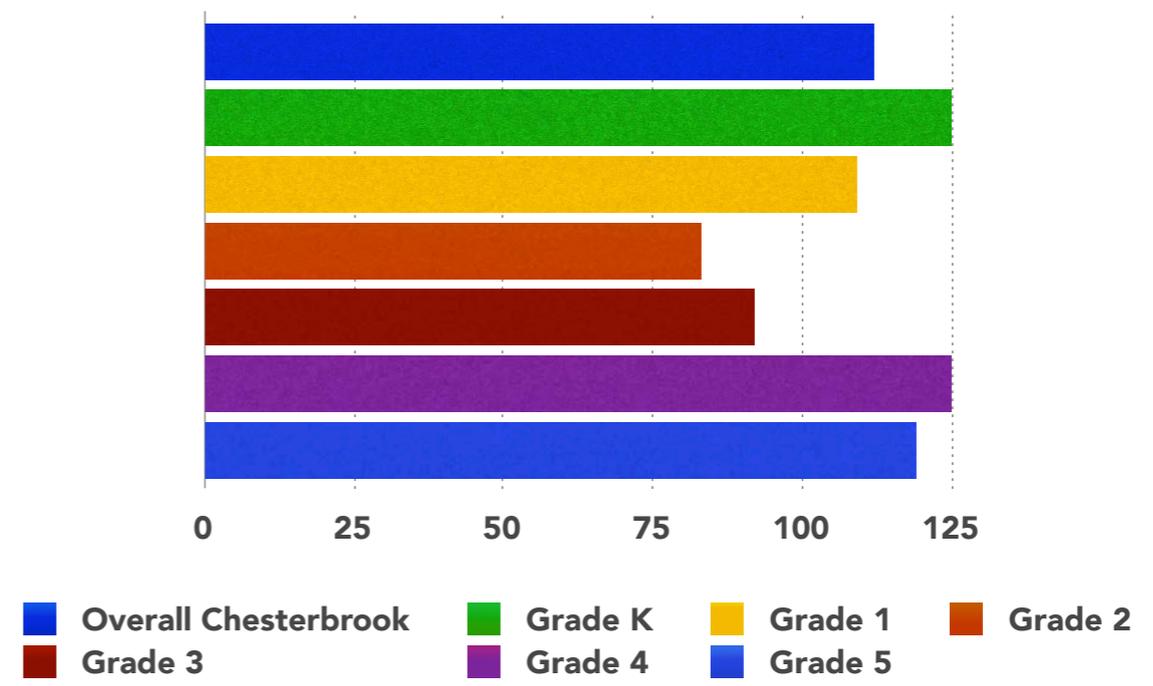
Through the implementation of programs such as First in Math and i-Ready, our Math and Language Arts progress is monitored frequently, allowing us to determine if benchmarks have been met. In turn, we are able to adjust each learner's Personal Learning Plan goals to meet the needs of the individual learner.

Fifth grade learners who have met grade level benchmarks in mathematics, are able to take part in an online math acceleration program in conjunction with our online private school, Laurel Springs. These learners complete a full year of sixth grade mathematics.

### First in Math School District Rankings



### iReady Progress Towards Targeted Growth (%)



# RESEARCH PRACTICES

## FIFTH GRADE GRADUATION



Giving learners more opportunities to develop into confident 21st century ready learners will always be at the root of our training and staff development. Learning will continue to be active and projects and lessons will be created with learner purpose.

As we head into the next phase of our technology evolution, we are constantly looking at ways to improve our programming. In collaboration with our Education Department, we are enhancing our technology standards to be more aligned with our innovative and creative learner-led mindset. This will include Swift Playground badges for all of our educators, introducing the Apple Classwork app, and expanding our Apple Classroom program.

All grade level educators will be equipped with a Mac and will take part in becoming Apple Teachers for the Mac. Additional goals include the expansion of our community presence and leveraging virtual field trips to truly showcase learning outside the walls of a classroom.

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