

Ty Robles

Educational Technology

Nebraska State Standard (ELA - Pre-K):

LA 0.1.1.b: Demonstrate understanding that print conveys meaning.

ISTE Standard for Students:

ISTE 1.6 Creative Communicator: Students communicate clearly and express themselves creatively using platforms, tools, styles, formats, and digital media appropriate to their goals.

Assessment Overview:

Students will complete a **Performance-Based Assessment** by creating a digital storybook using pictures, letters, and audio recordings to demonstrate their understanding that print carries meaning. They will choose a familiar topic (e.g., animals, family, or daily routines) and create a simple digital book with teacher guidance. The project will include images, letters, and voice recordings of students "reading" their book aloud.

Technology Integration:

Students will use **Seesaw, Book Creator, or Google Slides** to design their digital storybooks with the help of their teachers and classroom staff. They will record their voices identifying letters and words while pointing to the corresponding images. This project supports multiple intelligences by integrating visual (pictures and text), auditory (recordings), and kinesthetic (engaging with digital tools) elements, making learning interactive and developmentally appropriate for Pre-K students.

Selecting and Evaluating Technology Sources

Title of Software/App/Website:

Kira Learning_____

Grade Levels for which appropriate:

_____6-12_____

Type of technology (Productivity/Curriculum Support/ Tutorial/ Thinking Tool/Communication, etc.):

Content Area for use: (ie. Math, English, Science, etc.)

_____Computer Science_____

How would you use in in the classroom?

_____This would be used in the classroom to assist students in learning the path of computer science. The students will engage deeply in each lesson and lots of customizable options for students to get lessons tailored to them._____

Strengths:

_____Courses can be customized to fit state standards with detailed lesson plans and tutorials. Teachers can set student pace and view their progress throughout lessons. Students can do many different lessons and even interact with chat boards._____

Limitations:

_____Hints and website/AI tutor is not consistent throughout the course._____

Cost (if any):

_____ There is no
cost _____

Overall Rating:

_____ Out of 10 I would give it an 8-
9 _____

Lesson Plan with Technology

Class: Educational Technology

Grade: Pre K

Lesson Title: _____ Show what you know with digital drawing _____

ISTE Standard for Students:

____ Empowered Learner 1.1C Use technology to seek feedback that informs and improves

their practice and to demonstrate their learning in a variety of

ways_____

Instructional Objective:

_____ Students will use a device to draw to create a picture that demonstrates their learning. They will then receive feedback from a teacher or peer.

Technology to be used during class:

_____The technology used during the class time will be a tablet or an interactive white board. I will be using these because they offer ways for the children to draw what is needed for the class. Tablets are not something that all schools have but interactive white boards are something found in almost every class currently. It is an easy technology to use and the students would have no problem

being able to work the technology and get the objective

done. _____

Description of class period:

__ During this Pre-K class, students will use a digital drawing app or an interactive white board and other available tools to show what they've learned about a topic like shapes, letters, or emotions. I will model how to create a drawing. Then, students will create their own digital drawings and explain their work. They will share their creations with a peer and teacher. The lesson will end with a group celebration, reinforcing how technology helps us learn, share, and grow. This will be something easy that younger children can all do. They will be able to have fun while drawing and showing how they see and depict things in their own heads.

Formative or Summative Assessment to be used:

_ During the lesson, I will use observations and feedback sessions as formative assessments. While students create their digital drawings, I will circulate, asking questions like, "Can you tell me about your picture?" or "Can you add another shape?" to check for understanding and to give the students that time to explain everything they are doing so they feel that sense of interest and encouragement from

their teacher.

Ty Robles
February 12th, 2025
Instructional Technology
Instructor: Robin Hayhurst
Educational technology philosophy

Technology is something that is constantly evolving and appearing in our everyday lives. Technology can be very useful in the future of teaching as there is so many different ways to get knowledge across to the generations of children we are trying to educate. Technology has so many different ways to explain what our students will be learning and gives them the option to go home and use so many different methods to study and advance their learning. It helps our teachers create lesson plans and add in things like videos for extra explanation and games and such for the students to become more engaged and feel apart of what they are learning. Later in time with all of the advancements we will create we will have even more methods to help our students.

Technology definitely allows our learners to develop a broader scope of the world around them. There is so many things to learn with technology, any question they have is just one search away. They can learn deeply about anything around them. Other cultures, languages, locations. Their learning possibilities with technology are almost limitless. The same goes for anyone that has access to that technology. The teachers can learn new methods of teaching, fun games, new ideas and routines to try in the classroom. There is a massive realm of possibilities when it comes to learning in technology.

Teaching with technology is something that will give students a jump on the world they will encounter after school. While some people think that using technology in teaching might throw some students off for the world they will encounter, they forget that our world is constantly evolving and being surrounded by new technology everyday. Teaching these students how to learn

with technology and how to use the technology around them would be more beneficial than not offering that to them. The world changes a lot and we can not expect for teaching to look the same way forever.

Technology is a useful tool but not one that everyone has access to. Technology is offered in a lot of schools which is nice for the families and students that struggle with gaining access to technology. Technology not being provided at home should not totally mess up the learning of the children. They get to still learn with technology in school where a lot of their learning takes place. The majority of learning that comes from lack of devices is usually all optional learning about subjects that interest the students, which means they will miss out on trying to reach to things that interest them. But many schools currently have a system of checking out some form of technology for the students to use for that exact reason, which is a great resource for the students that benefit from it.

Technology will not lead to losses of skills while learning how to use it. Things like logical thinking are still required while using technology. Just because technology helps make things a little simpler does not mean that you do not have to use your brain and think logically. Now even though the future could bring the possibility of less handwriting in day to day life I do not think we will ever be in the position where we lose the ability to do things like use handwriting. Even today most people use technology 10 times more than they use paper but yet handwriting is still important for check or important paperwork. Most likely people will continue to think that way as we advance into the future as well.

Technology in the classroom will not harm the teacher student relationship. Most classrooms will see a teacher explain the lesson in the front of the class then leave the students to

work on their classwork on their own while the teacher walks around checking on them and helping students that need it. This would relatively look the same way. A teacher would use an electric board or other form of technology to teach the class, which is already what many schools do today, then they will have the students work on their individual class work, as they have done before, except they would be doing it on some form of technology. Then the teacher would continue to walk around checking on the students and helping those in need of their help. It would basically look the same way it does today except the classroom will have different tools.

Personally I think technology in the classroom is very beneficial to everyone. I think students benefit a lot from having new looks at subjects and being able to carry everything in one spot. I also think it is very beneficial for the teachers as well as they can grade and create lessons much easier. It can be much more engaging as well as there is educational games and videos teachers can incorporate for the lessons which gives the students something new to look at and grab their attention.

I do not think that technology will take away from any social interactions in the classroom. I think that people will be interacting just as much in the classroom even with an increase in technology. I also do think that it opens up more social interaction and gives access to a broader community, which comes with its own pros and cons. Technology is one of the best advances for social interaction that we have ever made so far. It lets us communicate with people across the world and gain knowledge we wouldn't be able to come by otherwise.

My school district is definitely embracing the idea of technology. Classrooms get new full technology boards that offer so many more tools than the ones before. Schools are giving out technology like tablets and computers for the children to take home to continue their learning or

to use at school to have many more tools to access than the ones before. My school district will continue to embrace technology because it has helped both students and staff to have better and more efficient alternatives while being in the classroom.

Create a technology resume

We live in a world with frequently new and constantly evolving technology. Even with cell phones, they come out every year with new features to learn. Technology is surrounding us more and more as the days pass and require new learnings and experiences to familiarize ourselves with it. Personally I feel like I learn technology fairly well and quickly. I possess skills in technology that help me as well as coworkers, classmates, and family members push past the hurdles and loops that technology brings to different points in life.

A list of skills and knowledge:

Understanding of creating powerpoint presentations for the use of educating an audience through google slides and microsoft powerpoint.

Ability to create formal emails and messages to speak to colleagues, superiors, professors, and other classmates.

Navigating websites to locate specific knowledge or instructions.

Experiences:

challenges of effectively leveraging technology in your instruction

I have an understanding of google classroom and what it involves and how to control the site through my experience in highschool.

I work in a classroom and understand the use of technology in lessons and daily tasks in a classroom.

After taking this technology class, I will better understand technology for teaching that I am yet to run into at work and have little to no experience with, which will be beneficial to my future in a classroom.

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Skills to continue working:

Continuing to understand the technology in classrooms and day to day life as it advances.

Continuing to learn how I will use technologies in classrooms from the teachers I work around everyday.

Technology is constantly evolving around us and will no doubt continue to be a bigger part of our lives as time continues to pass. Technology will always have its issues and will continue to have more in the future, but that does not overshadow all of the effective and efficient tools technology brings. Because of this, it is important to stay connected to technology and continue to understand how it works and what it can be used for. Whether we are fans or not, technology will be everywhere in the future, in our lives, and in our workplaces. The best thing for us to do is continue to evolve with technology and welcome the challenges with open arms.