

# **TED-ED: LESSONS WORTH SHARING**

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# TED-ED: MISSION STATEMENT

- “TED-Ed’s mission is to spark and celebrate the ideas of teachers and students around the world. Everything we do supports learning — from producing a growing library of original animated videos , to providing an international platform for teachers to create their own interactive lessons, to helping curious students around the globe bring TED to their schools and gain presentation literacy skills, to celebrating innovative leadership within TED-Ed’s global network of over 250,000 teachers” (TED.Ed, 2012)

# TED-ED: LESSONS WORTH SHARING

- **What is Ted-Ed?**

- TED-Ed is an online website where you can create lessons using video, incorporate discussions, and mini quizzes on the video.
- It is free for teachers to use and manipulate videos that people have already made
- Teachers can make their own videos as well
- It is a great resources for flipping course content in any subject
- Teachers can filter between student level, duration, subtitles, content type on videos that other educators have developed on the website

# WHAT IS TED-ED?

Please click on the video to learn more about TED-ED.



# HOW DOES THIS TECHNOLOGY SUPPORT THE VISION FOR TECHNOLOGY USE IN OUR COUNTY?

- The vision for Cherokee County (CCSD) is to adhere “to the belief that technology should play a vital role in meeting the needs of the broad range of abilities, disabilities, cultural backgrounds and ethnic populations represented in our district schools and communities.”
- “Technology is used to empower and engage the 21st century learner. Differentiation of instruction is possible using technology to remediate, reinforce and review material.”
- “The ultimate goal is to develop life-long learning skills that mirror students’ daily lives, reflect the reality of their futures and prepare them for a diverse and technologically rich society. “
- <http://cherokeek12.net/wp-content/uploads/2016/06/CCSD-Three-Year-Technology-Plan-2014-17.pdf>

# HOW DOES CCSD VISION RELATE TO TED-ED?

- TED-Ed allows teachers to differentiate the lesson for all students regardless of abilities, disabilities, cultural backgrounds, and ethnic populations.
- The presentation captivates the viewers to engage them into the lesson.
- Teachers can effectively implement flipped classrooms by assigning the videos to view and respond to questions and discussions at home before coming to class.
- Teachers can also use this during class to look at and discuss specific topics in their subject areas.



# HOW DOES CCSD VISION RELATE TO TED-ED?

- Students can watch the videos as many times as necessary.
- Access is universal.
- Teachers can develop their own lesson with videos, questions, discussions, additional resources. Once developed, teachers can share this with their students via email or post on class website, where students can answer the questions.
- Teachers can track data on student performance using this website.
- Allows students and teachers to gain feedback on the lesson immediately



# OBJECTIVES

- Increase student achievement through the use of technology as an instructional strategy.
- Obtain data on specific topics that students are studying.
- Reinforce, introduce, conclude topics that students are studying.
- Allows teachers to design and implement their own lesson, or modify other educator's lessons to tailor their own needs.
- Creates an active learning experience to watching videos.
- Allows students to design and develop their own TED-Ed lessons.



# KEY BENEFITS

- Students can work at their own pace on the discussion prompts, questions, and additional resources.
- Students can access this from home and at school.
- Teachers can utilize other teacher's great ideas that are posted on TED-Ed and assign them to their class.
- Teachers can create their own lesson using some of their favorite YouTube videos.
- Students can watch the videos to introduce/ reinforce material/ in conclusion to topics that teachers are covering in class.

# KEY BENEFITS

- Students are actively participating in watching the video by responding to multiple choice and open-ended questions, responding to class discussion, and using resources listed for additional information, which transforms watching videos to engage the students.
- Immediate feedback for the students at the end of the video.
- Teacher friendly website
- Students can design and develop their own TED-Ed lessons to present to the class

# KEY BENEFITS

- Here is an example of a TED-Ed Lesson.

The screenshot shows the TED-Ed interface for a lesson titled "The Power of Simple Words". The page includes a navigation bar with "Series", "Subjects", "Best Flips", "YouTube", and "Recent Activity". The lesson title is "The Power of Simple Words" with 52,749 lesson views and 670 flips. The video player shows a cartoon character shouting "AMBULATE THIS DIRECTION!". To the right of the video are three interactive options: "Watch", "Think", and "Dig Deeper". At the bottom, there are sections for "About This Video", "Meet The Creators", and a "Flip This Lesson" button. Hand-drawn arrows point from text boxes on the left and right to these specific features.

**Lesson Title**  
Use this title or choose your own.

**Press Play**  
Video can play while working through lesson.

**Meet the Creators**  
View profiles of the experts who made this lesson.

**Think**  
Multiple choice and short answer questions. Pick from the questions provided and/or create your own.

**Dig Deeper**  
Resources for discovering more about the topic.

**Flip This Lesson**  
Customize and share your lesson

## What does "Flip This Lesson" mean?

"Flipping" a video allows you to turn a video into a customized lesson that can be assigned to students or shared more widely. You can add context, questions, and follow-up suggestions to any video on TED-Ed or YouTube. [Learn more about flip teaching.](#)

# TARGET POPULATION

- This instructional technology is friendly to elementary, middle, and high school student levels. It is at the teacher discretion to choose videos that are best for the student level in their classroom.
- Cherokee County serves a population of 39,596 students, where all schools in the county have access to BYLD network.
- A 1:1 technology model would be preferred to utilize this website most effectively, but can be implemented into any classrooms by using mobile labs, computer laptops, BYLD, and at home computers.
- As of now, only one school is operating at 1:1, but the vision is to continue to build 1:1 in Cherokee County Schools.

# EQUIPMENT AND SOFTWARE

- This instructional technology is friendly to elementary, middle, and high school student levels. It is at the teacher discretion to choose videos that are best for the student level in their classroom. Best part about it is that it is FREE. All you have to do is sign-up!
- Cherokee County serves a population of 39,596 students, where all schools in the county have access to BYLD network for personal devices and the computers at school.
- A 1:1 technology model would be preferred to utilize this website most effectively, but can be implemented into classrooms by using mobile labs, computer laptops, BYLD, and at home computers.
- As of now, only one school is operating at 1:1, but the vision is to continue to build 1:1 in Cherokee County Schools.

# EQUIPMENT AND SOFTWARE

- This should be implemented in classrooms from each level to see if student engagement and retention of information improves and at what rate depending on the level.
- Teachers at all levels have a county laptop they are issued.
- Students will need to use headphones to listen to the videos.
- Classroom computers vary per grade level and school, but Cherokee County provides other means such as laptop carts, media centers, and computer labs to ensure students have access to computers and the internet.
- All Cherokee County students are provided with email address through Microsoft Office.

# TECHNICAL SUPPORT

- TED-Ed has their own support system for teachers to use. On their website, teachers can ask any question relating the TED-Ed and can find a multitude of articles that explain step-by-step instructions and information for teachers to use. They also have most asked questions divided up into subsections so you can hone in on what you are needing help with.
- Should you not find your question on the website, TED-Ed welcomes you to contact them, so they can provide you proper support.
- This same support system is provided to students and administrators as well.
- Cherokee County also has technical support for all of its staff members.

# LIMITATIONS

- Students must have access to computers with internet and access to their Microsoft Office email accounts at home and school.
- TED-Ed allows teachers and students to share the videos and materials freely under Creative Common licensing.
- When students are posting on the videos, students will only post on the discussion board as the lesson will be locked for only the teacher to view and grade.



# COST OF THE TECHNOLOGY

- The technology, TED-Ed, is free for students and teachers to use.
- will simply create a free account using an email address and password or with Facebook.
- Teachers and students have various blogs, questions, and videos to sift through to provide free ideas, answer questions, support, and provide additional information all for free. The multitude of educators that you can reach from this platform is a great resource for teachers in the 21<sup>st</sup> Century.

# POTENTIAL FUNDING SOURCES

- Cherokee County schools have their own foundations to raise money to become 1:1.
- CCSD also plans on implementing 1:1 into the school slowly, which will greatly benefit student achievement. The county will also provide some funding to this endeavor.

# COST OF THE TECHNOLOGY

- If implemented in a 1:1 setting, students could utilize smaller devices than laptops by getting Samsung Galaxy Tab S2 (tablet).
- According to CNET, this tablet costs \$287.99 per tablet.
- Until full 1:1 is implemented, school could have at minimum 3 sets of tablets to meet the needs of the school in addition to the mobile laptops and computers.



# HOW CAN TEACHERS USE THIS TECHNOLOGY?

- Teachers can use this technology to meet content standards and students technology standards by implementing, creating, editing videos on any subject that would be relevant to the teacher's class standards.
- Teachers are able to track students data and students are able to receive immediate feedback, which is key in teaching the 21<sup>st</sup> Century learner.

# HOW CAN TEACHERS USE THIS TECHNOLOGY?

- By using TED-Ed students are given opportunities to collaborate with other students, use higher-order thinking writing skills.
- The beauty behind TED-Ed is that it provides an open-ended platform for students and teachers to expound upon with these critical thinking skills and writing skills in an environment that nurtures collaboration and learning.

# HOW CAN TEACHERS USE THIS TECHNOLOGY?

- Students can go as far as to have project-base learning based off of one of the TED-Ed lessons. It is up to the teacher to find, tweak, or create a lesson on there to promote that. All of the resources are there.
- Teachers can provide additional resources for students to use if they are struggling, to gain more information, or inspire them to research more on this topic or related ones.

# HOW CAN TEACHERS USE THIS TECHNOLOGY?

- Teachers can use TED-Ed to flip their classroom.
- Students can develop either own TED-Ed lessons to present subject specific presentations much like the TED-Ed lessons they are learning from.
- Teachers can use TED-Ed lessons to drive the discussion in the classroom.



[Flip This Lesson](#)

Customize and share your lesson

[Learn about flip teaching](#)

# HOW CAN TEACHERS USE THIS TECHNOLOGY TO DIFFERENTIATE INSTRUCTION?

- Students can use closed-captioning on the videos to be able to read the information rather than just relying on listening and watching the video.
- Teachers can assign specific TED-Ed lessons for students on topics they are struggling with to reinforce or extend material and give them a different medium of learning.



# HOW CAN TEACHERS USE THIS TECHNOLOGY TO DIFFERENTIATE INSTRUCTION?

- Teachers can provide TED-Ed lessons for students at different levels of reading, writing, and listening to ensure that the same information is being portrayed, despite these differences.
- The TED-Ed videos are highly interactive and elaborately illustrated to visually represent the information.
- Students can review these videos at home or explore topics that we are going to cover.

# HOW DOES TED-ED PROMOTE COMMUNICATION LOCALLY AND GLOBALLY?

- Teachers are connected to teachers across the globe with this website to share ideas and collaborate with them.
- Students are connected with other students and teachers outside of their classroom.
- The purpose of TED-Ed is to inspire, inform, and to develop deep critical thinkers that open their mind to different viewpoints of the world. TED-Ed creates a community where this can occur.

# HOW DOES TED-ED PROMOTE COMMUNICATION LOCALLY AND GLOBALLY?

- Teachers can start TED-Ed Clubs in their school to get students involved and promote student ideas in the format of TED-Ed.
  - Students can connect globally with other TED-Ed Club to support, start discussions, and develop/sharing big ideas.
  - Students can work with other students on project, make their own ideas, and even possibly be featured in TED Talks.
  - This club would help develop more global citizens.

# EVALUATION OF RESEARCH

- TED-Ed is relatively new as it first appeared in 2012, whereas their sister website, TED- Ideas Worth Spreading, geared more towards college aged students and adult on a variety of topics was founded in 1984.
- As of now, there is not any research available on the effectiveness in the classroom, but there are multiple bloggers and articles that support the use of TED-Ed to transform your classroom and develop global citizens.

# EVALUATION OF RESEARCH

- According to Purdue University, “TED-Ed is providing an interesting tool that may encourage student engagement outside of class and track student progress in one convenient package. It provides an active learning experience that encourages accountability through tracked student interaction. TED-Ed’s interactive videos may make flipping classrooms just a little bit easier and perhaps more interesting for the students” (Purdue, 2015).

# EVALUATION OF RESEARCH

- According to Edudemic.com, “TED Talks make for a great base for so many different kinds of educational experiences. Whether you’re simply using a talk to spark discussion or you’re creating a TED series of your own, TED Talks make a creative, exciting, and rewarding teaching lens” (5 Ways to Incorporate TED Talks into Learning).
- I completely agree with this statement. I believe that TED-Ed is underutilized and can be a great asset to teachers and students. TED-Ed is open-ended and can be used for a variety of ways to improve your classroom.

# IMPLEMENTATION

- Teachers will need to attend two mandatory in-house training sessions during their planning period. There would be an optional third day for teachers to ask any follow up questions.
- During the training, the following will take place on training day 1:
  - Teachers will sign-up for TED-Ed.
  - Teachers will be taught by a technology specialist basic navigation skills on the website via in-person tutorials and videos to access at a later time.
  - Teacher will learn how to edit an existing TED-Ed lesson to meet the needs of your classroom.

# IMPLEMENTATION

- During the second day of training, the following will take:
  - Teachers will learn how to create their own TED-Ed lesson.
  - Teachers will learn how to monitor student progress.
  - Teachers will learn how to assign their own TED-Ed lesson for students to create.
- The third day of training will be optional. If teachers have questions, the website is extremely user friendly and has a great support system in place to make this easy to implement into your classroom.



# REFLECTION

- By researching more information about TED-Ed, it has inspired me to utilize this technology more in my own teaching practices and share this resource with more teachers. I have always enjoyed TED Talks because of the way they challenge me to think critically, and when I found TED-Ed, I was sure it was nothing short of TED Talks. It is TED Talks, but it is so much more as you can now connect with students better and the content and technology standards in a new, innovative, and engaging way.

# REFLECTION

- As this is an emerging technology, I feel that TED-Ed will continue to grow and become better than it is. As educators across the globe upload their lessons, more and more information becomes available to use in your classroom.
- I was impressed with how many ways you could use these lessons in your classroom and the types of activities you can pair with the videos. I believe that TED-Ed clubs are a great way to inspire students to think critically and connect with students across the globe. This is something I would love to see more of in school. This promotes student engagement and allows students' voices to be heard in a whole new way.

# WORKS CITED

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