

NIKOLA TESLA

The image is a composite graphic for an educational resource. At the top, the name 'NIKOLA TESLA' is written in large, white, bold letters on a purple background. Below this, the scene is set on a wooden desk. On the left, a hand-drawn sketch of a vintage car is on a sheet of lined paper, with a yellow pencil resting on it. In the center, a tablet displays an interactive website for Nikola Tesla. The website features a black and white portrait of Tesla and several menu options: 'BIO SNAPSHOT' (with a document icon), 'CONTRIBUTIONS & ACHIEVEMENTS' (with a lightbulb icon), and 'QUOTES & PHOTOS' (with a camera icon). A hand is shown pointing at the 'CONTRIBUTIONS & ACHIEVEMENTS' option. The website also includes a 'Credits & Sources' link at the bottom right. On the left side of the tablet, there is a yellow circular icon with a hand cursor and text that reads: 'Click this icon anywhere you see it to always return to this homepage'. To the right of the tablet, a hand is pointing towards the 'CONTRIBUTIONS & ACHIEVEMENTS' option. In the foreground, there are two markers, one pink and one orange. On the left side, a worksheet is visible with a section titled 'CONTRIBUTIONS & ACHIEVEMENTS' and another titled 'QUOTES'. The 'QUOTES' section contains the text: 'Choose one quote said by this person and write it below:' and a large empty box for writing. The 'CONTRIBUTIONS & ACHIEVEMENTS' section contains the text: 'List several contributions and achievements of this person:'.

LNK **ativity**
Interactive Learning Guides

WAIT!

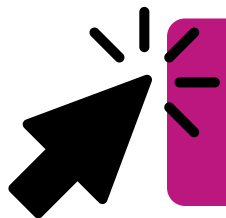
Thank you for considering this LINKtivity for your classroom, but before you make a decision - you should know that you can get **access to this LINKtivity + PLUS our entire library** for about the same price as a single LINKtivity!

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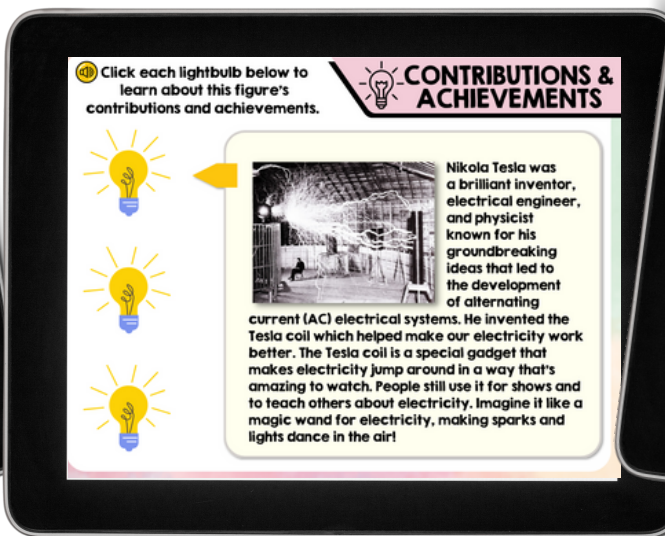


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Nikola Tesla was a Serbian-American inventor, electrical engineer, and futurist who made significant contributions to the development of modern electrical systems. Tesla quickly became known for his groundbreaking work in electrical engineering. Tesla's inventions and innovations include the development of alternating current (AC) electrical systems, which are widely used today. In this mini Biography LINKtivity, students will learn about Tesla's early life and contributions to the world of electrical engineering.



More Sample Slides



Nikola Tesla

Click each category below to learn more

 **BIO SNAPSHOT**

 **CONTRIBUTIONS & ACHIEVEMENTS**

 **QUOTES & PHOTOS** 

Credits & Sources

 Click the < and > to see quotes.

 **QUOTES & PHOTOS** 

 Let the future tell the truth, and evaluate each one according to his work and accomplishments. The present is theirs; the future, for which I have really worked, is mine.





 Click the < and > to see quotes.



 **QUOTES & PHOTOS** 

 Let the future tell the truth, and evaluate each one according to his work and accomplishments. The present is theirs; the future, for which I have really worked, is mine.





 **CONTRIBUTIONS & ACHIEVEMENTS**

 Click each lightbulb below to learn about this figure's contributions and achievements.





Nikola Tesla was a brilliant inventor, electrical engineer, and physicist known for his groundbreaking ideas that led to the development of alternating current (AC) electrical systems. He invented the Tesla coil which helped make our electricity work better. The Tesla coil is a special gadget that makes electricity jump around in a way that's amazing to watch. People still use it for shows and to teach others about electricity. Imagine it like a magic wand for electricity, making sparks and lights dance in the air!


 **BIO SNAPSHOT**

 **EARLY LIFE**


Nikola Tesla was born on July 9 or 10, 1856 in a place called Smiljan, Austria-Hungary (now Croatia). Even as a kid, he loved making things. He was an excellent student, too, and was able to solve math problems quickly and even memorize books! When he got older, he went to school to learn about electricity and how it works.


 **A NEW DISCOVERY**


In 1882, Tesla discovered a special kind of electricity called alternating current (AC). Unlike the electricity used in the first power stations, which could only go in one direction (direct current or DC), Tesla's AC could change direction. He made his first AC motor in 1883. In 1884, Tesla moved to America and worked briefly with the famous inventor Thomas Edison. But they didn't agree on how electricity should work. Edison liked DC, and Tesla liked AC. Because of this difference, Tesla left Edison's company in 1885 after just one year.


 **ENGINEER AND INVENTOR**


In 1887, Tesla set up a lab in New York City. The next year, he sold his idea for AC to George Westinghouse, who ran the Westinghouse Electric Company. By 1891, Tesla invented something called the Tesla coil, which was used in radios, TVs, and other electronics for a long time. In 1893, AC power was used to light up the World's Columbian Exposition in Chicago. People started to realize that AC worked better than DC for sending electricity over long distances. By 1896, Tesla and Westinghouse built an AC power station that used the energy from Niagara Falls. In 1899, Tesla did several experiments in Colorado and showed that electricity could be sent without wires. However, in 1905, he lost support to build a wireless communication tower. Sadly, many of his ideas, including this one, were never brought to life while he was alive. Tesla passed away in New York City on January 7, 1943. To honor him, the Nikola Tesla Museum was established in Belgrade, Serbia.

 Click the video icon to learn more




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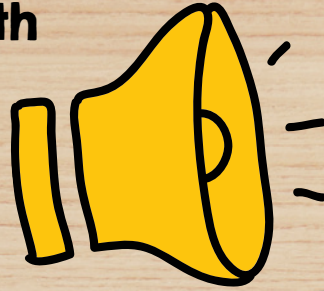


Today, there's a company called Tesla Motors that makes electric cars. Even though it's not made by Nikola Tesla, the company was named after him to show admiration for Tesla's work. The company believes they represent Tesla's innovation and progress in the field of electrical engineering. So, it's like they gave a big shout-out to Tesla by putting his name on the fancy electric cars they make!




This LINKtivity is provided with

AUDIO SUPPORT



Perfect for English language learners or students who could use a little extra support!

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Student & Teacher Resources

Recording Sheet for LINKtivity

Lesson Plan

LESSON

ESSENTIAL QUESTIONS:

What is a biography?
Who is (specific person) and what makes him/her unique?



Note: This lesson plan can be used with any mini-biography LINKtivity.

Standards Covered

CCRA.R.10

Materials Needed

Biography LINKtivity®
KWL student sheet
Biography student sheet (optional)
Chart paper/markers OR SMARTboard/Whiteboard

Teacher Preparation

Preview the mini-biography(ies) that you have selected for your students. Plan for how you will share the LINKtivity with students (ex. assign link in Google Classroom, prepare QR codes, etc). Prepare a KWL chart on chart paper or SMARTboard/whiteboard. Print the KWL and biography student sheets.

Lesson Introduction (5-10 min.)

- Introduce the essential questions.
- Introduce the person(s) your students will be exploring and provide each student with a **KWL student sheet**.
- **ASK:** What do you know about this person? What do you want to know about this person?
- Have students complete the first two columns of the chart. Note: If your whole class is exploring the same person, you can complete this chart together on a SMARTboard/whiteboard. If each student is completing a different person, have them complete a KWL for their specific person.

Lesson Activity (20 mins)

Have students complete a **Biography LINKtivity**, either one assigned to them or of their own selection. While navigating the LINKtivity, students have the option to complete the **biography student sheet**.

Optional Extension Activities

- Take virtual field trips to museums, historical sites, or places related to the person's life using a tool like Google Earth.
- Have students record a podcast episode about their person.
- Host a wax museum event where students dress up and take on the persona of their chosen individual to educate others.

Lesson Conclusion (2-5 min.)

Review essential questions and have students share their responses in light of what they have learned. Have students complete the final column of their KWL chart (what I learned).

Biography of: _____

Include an illustration:

BIO SNAPSHOT
List several facts about this person:

CONTRIBUTIONS & ACHIEVEMENTS
List several contributions and achievements of this person:

QUOTES
Choose one quote said by this person and write it below:

What this quote means to me:

What do you think was the biggest impact made by this person?

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Biography of: _____

Insert an image:

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Also available in Google Slides!

