Chelsea Tucker

Data Scientist, Artist

30-60 minutes

Image source

Starters

5-10 mins

Meet Chelsea Tucker — a data science star! She uses cool tech like AI and machine learning (kind of like how apps suggest music or shows you'll love) to make things smarter and faster. She's passionate about STEAM and loves sharing fun facts about maths, science, and digital art on Instagram, TikTok, and YouTube. Oh, and she's an incredible digital artist who creates jaw-dropping artwork for herself and famous brands.

Watch the first 3 minutes of this **video** to find out more about Chelsea.

Video Transcript - Summary

Chelsea, a data scientist, describes her role in managing and modelling data, specifically in the insurance industry, where she predicts outcomes such as the likelihood of accidents.

She is passionate about developing AI and machine learning models, which she compares to the functioning of the human brain.

Chelsea's career began in fine arts before she made a shift to data science. She emphasises the importance of flexibility in making career choices.

Questions

1 **Did you know you can love painting beautiful pictures and solving difficult math problems at the same time?** That's what Chelsea does—she is both an artist and a data scientist! If you could mix two things you love, what would you choose?

2 **Check out Chelsea's YouTube channel @MathsChelsea.** What do you think of her videos?

Your next adventure starts here! Meet inspiring role models like Chelsea at a Stemettes Event.

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Main Course

20 mins 1 activity
40 mins 2 activities

Make

Are you ready to become a data artist? Grab some paper, markers, and your imagination to turn boring numbers into art! Choose a simple data set—like your favourite snacks or the sunny days this week. Then, create colourful, eye-catching designs. Can you make a rainbow or a maze with your data? The more creative, the better.

Ingredients:
- Paper & pen
- Internet access

Explore

Explore different digital art styles online, from pixel art to vector illustrations. Start by looking for examples of interesting digital art, like a pixelated video game scene, a cartoon, or a bold logo. Notice what makes them special. Look at the details, shapes, and colours. Next, create your own "Digital Art Style Guide" on paper. This guide will help you keep track of the styles you discover. Choose your favourite styles and draw examples in your guide.

Ingredients:
- Paper & pen
- Internet access

Dessert

5 mins

Show and Tell

Spread the fun and excitement by sharing the challenges you've been exploring with your friends and family.

Share

We would love to see how you're doing with the challenges. Remember to tag us on social media and use the hashtag **#GGSWExStemettes**

Girlguiding South West England

STEMETTES