Lesson Plan - Touch Board

	Lesson Description	Link	In this lesson the students...
Lesson 1: Explore the Touch Board and extend its sensors	Discover the Touch Board and then extend the board of the sensor with crocodile clips	https://www.bareconductive.com/blogs/resources/turn-everyday-objects-into-sensors-with-the-touch-board	Learn how the Touch Board works and which materials conduct and which materials insulate
Lesson 2: Paint sensors with Electric Paint	Paint your interfaces for the Touch Board with Electric Paint	https://www.bareconductive.com/blogs/resources/how-to-extend-the-sensors-of-the-touch-board	Learn how Electric Paint works and how a material's properties, like conductivity, can change in different states
Lesson 3: Create an interactive poster	Use the Touch Board and Electric Paint to create a narrative and tell your own story	https://www.bareconductive.com/blogs/resources/create-an-interactive-poster	Combine scientific knowledge and add their own creativity to explore a topic of their choosing
Lesson 4: Make a MIDI instrument	Discover the further features of the Touch Board and play music with paper	https://www.bareconductive.com/blogs/resources/how-to-make-a-midi-instrument-machine-with-the-touch-board	Explore a range of different musical instruments from around the world using paper as an interface

	Lesson Description	Link	Learning Objective
Lesson 5: Learn how to program the Touch Board	Use the Arduino IDE and discover how code works and how to modify the code on the Touch Board	https://www.bareconductive.com/blogs/resources/how-to-program-the-touch-board	Learn programming fundamentals and design, write and debug programs that accomplish specific goals
Lesson 6: Create a game controller	Use your new coding skills to create a game controller	https://www.bareconductive.com/blogs/resources/how-to-make-an-interactive-memory-game	Combine programming skills and their creativity to design their own interface for a software
Lesson 7: Light up LEDs	Further use your coding skills to light up LEDs	https://www.bareconductive.com/blogs/resources/driving-external-leds-with-the-touch-board	Create simple circuits and learn how to incorporate LEDs into designs
Lesson 8: Discover proximity sensing	Explore what proximity sensing is and how you can implement it in your projects	https://www.bareconductive.com/blogs/resources/fade-an-led-using-the-touch-boards-proximity-mode	Learn the concept of capacitive sensing and how it can be used to take their designs further