Main Ideas

Here are the main points that are addressed in the video. Please read these and think about them as you watch.

- $y = f(g(x))$ is a composite function. This means that the outputs of the function g become the inputs of the function f.

- The derivative of the function $y = f(x)$ at $x = a$ conveys how many times as large a very small change in y is compared to the corresponding small change in x away from $x = a$.

- Developing a method for computing the derivative of the composite function $y = f(g(x))$ requires determining how much $f(g(x))$ changes when x changes by a very small amount.

- The derivative of the composite function $y = f(g(x))$ is $f'(g(x)) \times g'(x)$.

Learning outcomes:
Author(s):