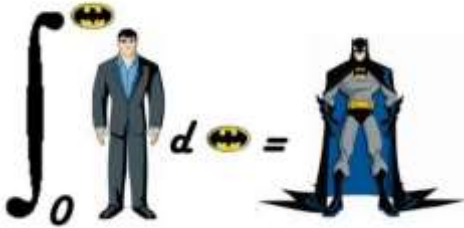


What you will learn...



What does this movie have to do with Calculus?

Take it to the limit

Arundel High School
Calculus

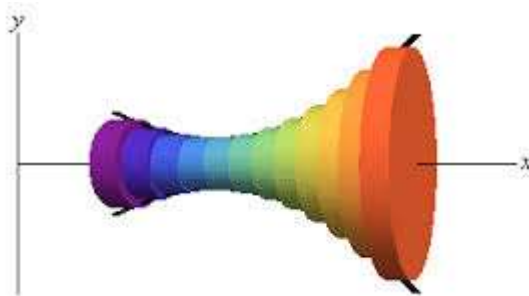
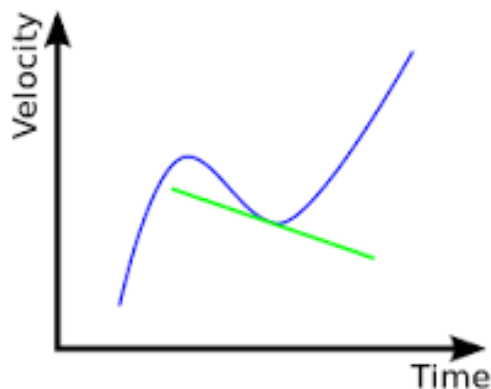


Calc-cool-lus

Derivatives

Integrals

AP Calculus



Original Teachers of Calculus:



Current Teachers:

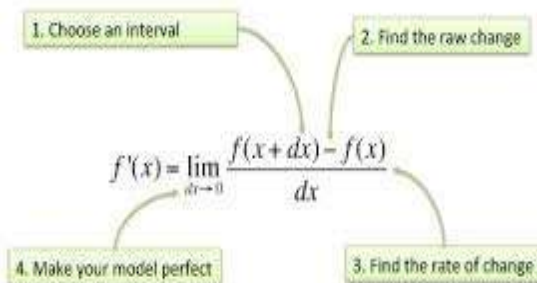


Food for thought:

How much time exists
in an instant moment of
time?

Volumes of Fun

The Derivative



$$\begin{aligned}
 V &= \int_{-1}^2 \pi \left[(x+4)^2 - (x^2+2)^2 \right] dx \\
 &= \int_{-1}^2 \pi \left[(x^2+8x+16) - (x^4+4x^2+4) \right] dx \\
 &= \pi \int_{-1}^2 (-x^4 - 3x^2 + 8x + 12) dx \\
 &= \pi \left[-\frac{1}{5}x^5 - x^3 + 4x^2 + 12x \right]_{-1}^2 \\
 &= \pi \left[\frac{128}{5} - \left(-\frac{34}{5} \right) \right] \\
 V &= \frac{162\pi}{5}
 \end{aligned}$$

What do students say about AP Calculus at Arundel High School?

-“This was my favorite course, ever” RS

-“I was more prepared for this AP Exam than any other course” -KS

-“Caltastic!.” BW