Explore ancient and modern industrial curves with this six-hour course, which can be completed any time over four weeks, giving you lots of flexibility in watching the videos, completing the activities, and interacting with your peers.

The topics start with how the ancient Greeks viewed and constructed classical curves, such as the beautiful conic sections and others, and then moves to the 17th century, where mechanical and algebraic approaches to curves made their entrance. Then we fast forward to 1960, when two French car company engineers introduced a remarkable new way of thinking about, and encoding, curves! This fascinating development is of great interest to modern designers, computer game creators, and architects. Along the way we will be learning how to use GeoGebra—a lovely classroom tool for both primary and secondary teachers. And we’ll have a chance to play around with some interesting classical geometry and algebra.

High quality online presentations and a range of elementary to more challenging activities combine with the easy interface of openlearning.com to provide an interactive and fun learning environment, emphasising peer interaction and communication. We will be live with you to answer questions and facilitate discussion.

Cost: $90
All videos and content will be accessible from 3 April - 8 May, 2017
Accreditation: 6 hours (BOSTES)
APST Addressed: 2.1.2 and 2.5.2
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