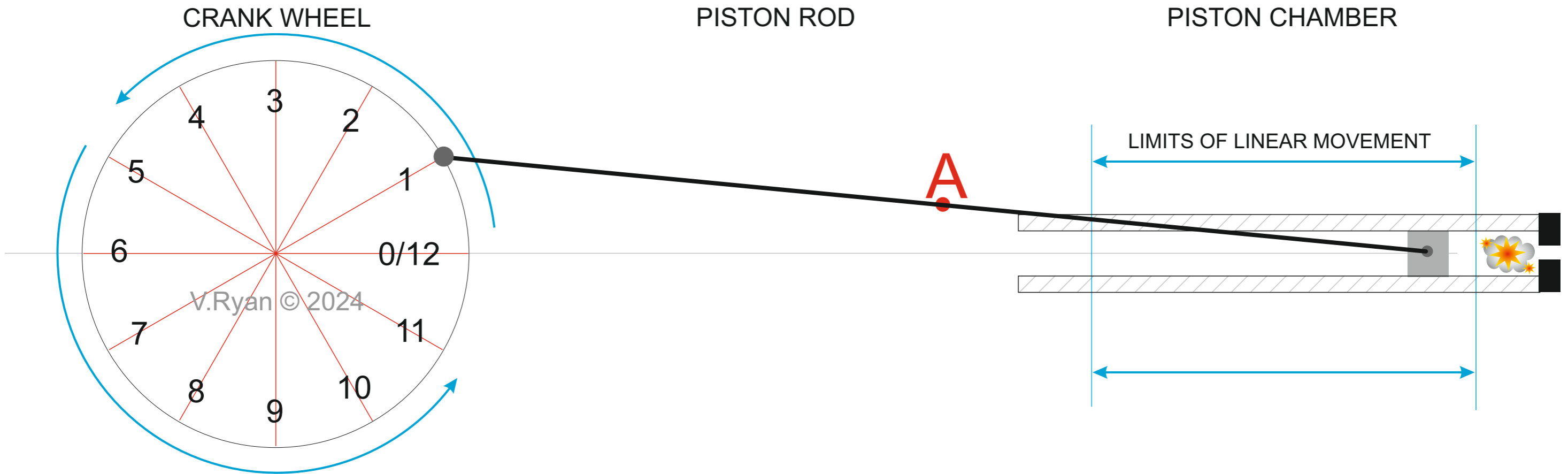


# LOCI

## QUESTION

As fuel in the piston chamber ignites, the piston rod is pushed forward. In turn, the rod forces the crank wheel to rotate in an anti-clockwise direction. For each rotation, fuel is injected into the piston chamber and ignites. This is repeated, ensuring the crank wheel rotates continually. Point 'A' has been marked on the piston arm. The path this point creates as it moves, is called the 'locus'. Draw the locus for point 'A', for one revolution of the fly wheel.



What is the 'locus of a point'? Write your own definition.

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When designing a machine or mechanical device, an understanding of Loci is important. Why?

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HELPFUL LINK



HELPFUL LINK: [https://technologystudent.com/despro\\_3/linkage1.html](https://technologystudent.com/despro_3/linkage1.html)