# Cultivating curves 

We in the sciences use mathematics, our alternate language of choice, When words from the dictionary only provide a most imprecise version of voice. And those dense equations explain in detail how things we study behave. They are filled with the symbols that never will fail
to reveal a gravitational wave, Or other phantasms concealed but then over whose ken we rejoice.

But the math is so dry and the symbols remote, their full meaning remains out of reach Until we devise a much better way both to learn for ourselves and to teach. Oh the curve, the curve, the wonderful curve, is as useful as it's elegant. It shows us the essence of all it plots out; Oscillations harmonic control many things
That require engineering designs.
To account for the frequencies nature oft brings,
Monsieur Fourier suggests we sum sines.

Parabolic trajectories are the outcome When balls are tossed in the air.
When a comet swings by with enough energy, It's a stunning hyperbolic affair.


