

Note: Figure not drawn to scale.

Describe, in PW style note form, the steps that you would take in order to calculate the distance *d* travelled by the blocks. Make it clear using 'statements of physics'. (You do not actually need to solve, it is the process that is important - but you can if you want)

This problem uses a spring to accelerate block A in order to get things going. How else could we do the same job?

Suggest some ways to increase the range of the projectile, clearly stating the underlying principles.