**Dynamics and Inclined Planes**

If a particle is in motion, $F = F\_{max} = μR$, and $F$ opposes the direction of motion.

* Draw a force diagram
* Use Newton's 2nd law to resolve parallel and perpendicular to the plane
* Use SUVAT to solve problems if $F$ (and therefore $a$) are constant

**Example** *(EdExcel M1 Jan 2010 Q5)*



**Test Your Understanding** *(EdExcel M1 May 2013(R) Q5)*



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