ROTATIONAL MOTION

If you feel you need more support check out the following work and I’ll add some questions in too.

Notes: Robert Gordon’s College Notes, <https://www.mrsphysics.co.uk/advanced/wp-content/uploads/2021/06/ah-rotational-motion-summary-notes-and-problems-2013.docx>

[AH Rotational Motion summary-notes-2016.pdf](https://blogs.glowscotland.org.uk/er/public/SNHPhysicsWebsite/uploads/sites/2718/2018/11/ah-rotational-motion-summary-notes-2016.pdf)

[Boroughmuir Brief Notes](http://www.calderglen.s-lanark.sch.uk/wpPhysics/wp-content/uploads/AH/RMA/AH_RMA_Summary-Notes_RotMotion.pdf)

Check out the SCHOLAR work and complete the assessments in the SCHOLAR section

Deriving the Equations of Motion

<https://www.youtube.com/watch?v=wtvGGTHDGTM>

<https://youtu.be/uJvUOJJovBM>

Angular Motion

<https://youtu.be/mn6NKAs6tbk>

<https://www.youtube.com/watch?v=jNc2SflUl9U>

<https://isaacphysics.org/concepts/cp_ang_eq_of_motion>

<https://www.youtube.com/watch?v=RHmrcxQCbwg>

<https://www.youtube.com/watch?v=Vfy3bChhBnk>

Rotational Motion

(do not be stupid enough to try this at home, surely you wouldn’t you chose Physics at AH!)

<https://www.youtube.com/watch?v=JA7jc4rpTns&has_verified=1>

I think the man below does amazingly clear videos. Just watch as it is based on A level so lots of speeds and not velocities. I think you’ll find this clear

<https://www.youtube.com/watch?v=7YwBNRuBvjw>

<https://www.youtube.com/watch?v=y2FmgoOht7Y>

If you want to get a write on document where the questions make a summary try this one below.

<https://www.mrsphysics.co.uk/advanced/wp-content/uploads/2017/01/AH-Circular-Motion.pdf>

Prof Dave’s videos are good too. Watch for slightly different units

<https://www.youtube.com/watch?v=SZj6DuB0vvo>

<https://www.youtube.com/watch?v=KvCezk9DJfk>

<https://www.youtube.com/watch?v=Zjqrx7wrpJc>

<https://www.youtube.com/watch?v=ivRdd7EdrTQ&list=RDCMUCFtAsDXpzJVpvgTxnlhHbQA&start_radio=1&t=51>

<https://youtu.be/X6oEHadZQmA>

<https://youtu.be/PaQSGYM2SFc>

Banked Turnings

<https://youtu.be/6IV3SX5Y2Ag>

<https://www.youtube.com/watch?v=8aBkQu_RLlg> (Normal force is what we call reaction force)

Pendulum & Banking

<https://www.youtube.com/watch?v=y2FmgoOht7Y>

<https://youtu.be/ozR0GOvHg7Y>

Rotational Dynamics

<https://youtu.be/Pnzs-3bDxCM>

<https://youtu.be/ozR0GOvHg7Y>

<https://youtu.be/-cz6A4TJ-Rc>

<https://www.youtube.com/watch?v=yYysCEZHCro>

<https://www.youtube.com/watch?v=sxI-OeQf6N0>

<https://www.youtube.com/watch?v=b-HZ1SZPaQw>

<https://www.youtube.com/watch?v=Tu6e9_SrzBA>

<https://www.youtube.com/watch?v=AtJBl9N9o6E>

<https://youtu.be/2gThWRn-gV8>

<https://youtu.be/LQnmGdn2SN8>

Moment of Inertia

<https://www.youtube.com/watch?v=lvfzdibrUFA&t=588s>

<https://youtu.be/SjdJdtm4IgI>

Angular Momentum

<https://youtu.be/YW7t6HCv0r8>

<https://www.youtube.com/watch?v=oGzQflqf1VA>

<https://www.youtube.com/watch?v=WzjIMuf-yuo>