

LEARNING JOURNEY

Physics

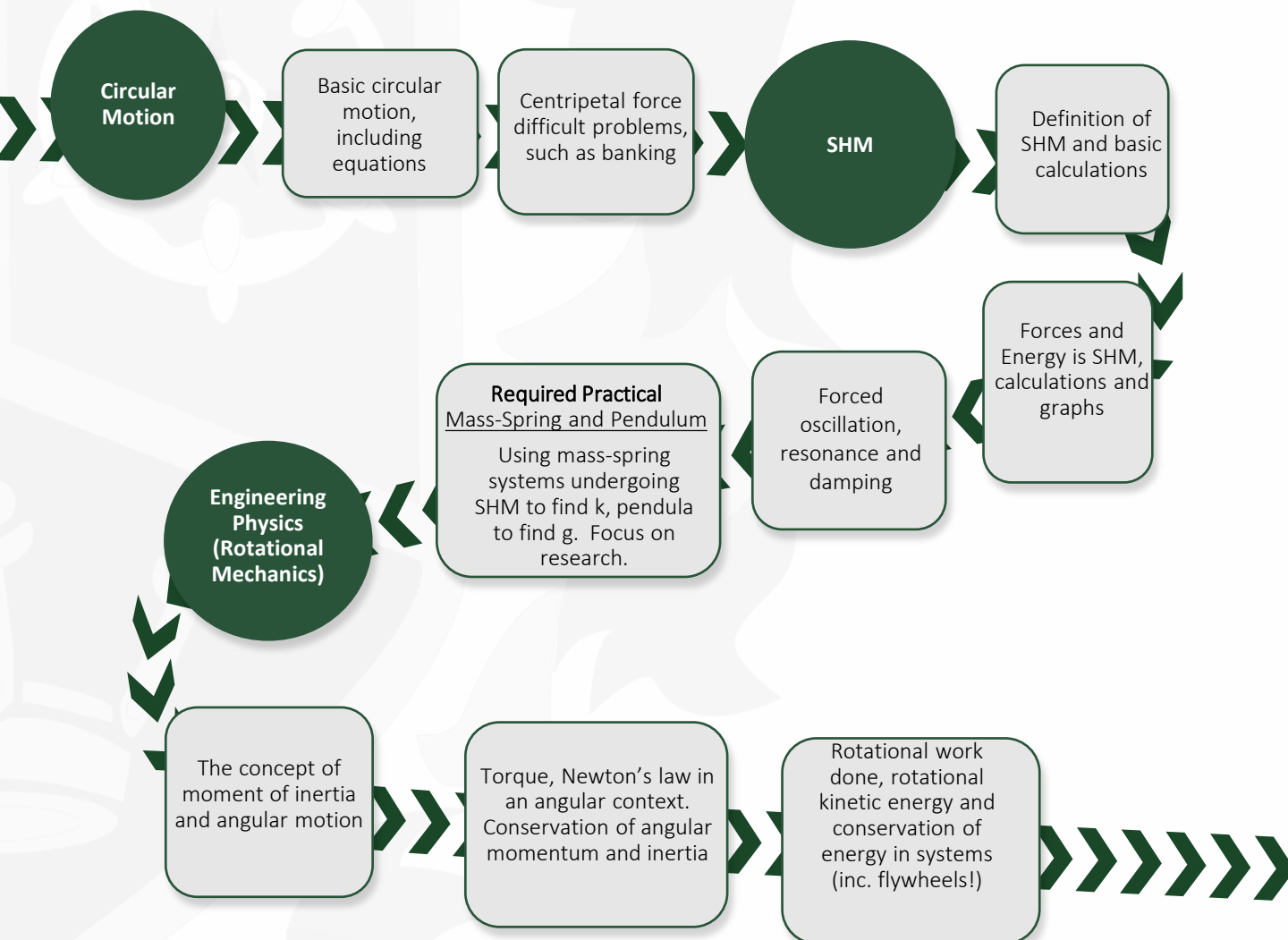


Circular Motion, SHM and Engineering Physics Part 1

Year 13 Autumn Term (Teacher Two)

The first two topics use the concept of angular quantities (radians) where that is for real circles (circular motion) or theoretical cycles (harmonic motion). Circular motion will combine prior knowledge on force and motion, looking at how they work when an object moves in a circular path. SHM will consider a range of theoretical models and how this theory is used for practical applications, such as car suspension

To build on these, the first part of the Engineering Physics module is delivered. This is very similar to Year 12 topics on force, motion and energy, but with angular quantities.



TUDOR HABITS

You will continue to work on building your toolbox of problem solving skills to support your metacognition and self-regulation

VOCABULARY:

Angular velocity/angular frequency, centripetal force, resonance, damping, moment of inertia, angular momentum, angular impulse.