	13.04.2023
Reading	Chapter 3. Forces and Equations of Motion, Section 3.7 Hook's Law and Simple Harmonic Motion, pages 102-107
Youtoube video	https://www.youtube.com/watch?v=gZ_KnZHCn4M https://www.youtube.com/watch?v=Z52emur7Rko
Research	Simple Harmonic Motion Hooke's Law and Simple Harmonic Motion Harmonic Motion
Task 1	Completed :)
	17.04.2023
Reading	Chapter 3. Forces and Equations of Motion, Section 3.7 Hook's Law and Simple
Youtoube videos	https://www.youtube.com/watch?v=g550H4e5FCY&pp=ygUeRm9yY2VzIGFuZCBFcXVhdGlvbnMgb2YgTW90aW9u https://www.youtube.com/watch?v=UNuRhIHthhY https://www.youtube.com/watch?v=-_I_YDA6au8&pp=ygUqNyBIb29r4oCZcyBMYXcgYW5klFNpbXBsZSBIYXJtb25pYyBNb3Rpb24s https://www.youtube.com/watch?v=_Gnke2x3vT8&pp=ygUqNyBIb29r4oCZcyBMYXcgYW5klFNpbXBsZSBIYXJtb25pYyBNb3Rpb24s
Research	hooke-s-law-and-simple-harmonic-motion A_Harmonic_Oscillator_Obeys_Hooke's_Law
Task 2	Completed :)
	18.04.2023
Reading	Chapter 9. Normal Modes and Waves Section 9.3 Fourier Series, pages 319-329 Section 9.5 Fourier Integrals, pages 331-332, Appendix 9A Complex FourierSeries, Appendix 9B Fast Fourier Transform, pages 353-357)
Youtoube videos	https://www.youtube.com/watch?v=O_HgMWx4a5w&pp=ygUkZm91cmllciBzZXJpZXMgYW5klGZvdXJpZXIgaW50ZWdyYWwg https://www.youtube.com/watch?v=AhDfs2baY4Y&pp=ygUkZm91cmllciBzZXJpZXMgYW5klGZvdXJpZXIgaW50ZWdyYWwg https://www.youtube.com/watch?v=h7apO7q16V0&pp=ygUVRmFzdCBmdXJpZXIgdHJhbnNmb3Jt https://www.youtube.com/watch?v=E8HeD-MUrjY&pp=ygUVRmFzdCBmdXJpZXIgdHJhbnNmb3Jt https://www.youtube.com/watch?v=spUNpyF58BY&pp=ygUVRmFzdCBmdXJpZXIgdHJhbnNmb3Jt
Research	https://math.mit.edu/~gs/cse/websections/cse41.pdf http://physics.bu.edu/~pankajm/PY501/fourier.pdf https://towardsdatascience.com/fast-fourier-transform-937926e591cb https://www.nti-audio.com/en/support/know-how/fast-fourier-transform-fft
Task 3 & Task 4	Completed :)