Quantum Computing Resources

1. Arithmetic (Addition) on Quantum Computers (Easier method)
    a. https://medium.com/@sashwat.anagolum/arithmetic-on-quantum-computers-addition-7e0d700f53ae
2. Arithmetic (Addition) on Quantum Computers (Faster method)
    a. https://medium.com/@sashwat.anagolum/qftaddition-ce0a0b2bc4f4
3. IBM Quantum Experience - Test circuits (14-17 year olds need parent permission when signing an agreement & students under 14 years are not allowed to use it)
    a. https://www.research.ibm.com/ibm-q/
        i. Click on person account on upper right and then "log in"
    b. If you are under 14, you can ask your parents to demonstrate the circuit building in front of you.
4. Quantum Machine Learning Algorithms (including QGANs and decision trees, etc.)
    a. https://arxiv.org/pdf/1409.3097.pdf
5. Quantum ML Neural Net Algo using Hopfield Network
    a. https://medium.com/xanaduai/making-a-neural-network-quantum-34069e284bcfb
6. Understanding entropy in ML decision trees
    a. https://bricaud.github.io/personal-blog/entropy-in-decision-trees/
7. Quantum Swap
    a. https://arxiv.org/pdf/1409.3097.pdf
8. Python packages to use for Quantum ML & Quantum Computing
    a. IBM's Qiskit
    b. Pennylane
    c. Google's Cirq
9. Presentations & code from previous AI Inspire workshops on Github AI Inspire page!