Learning the Basics of Quantum

- QIS Resources Database: https://q12education.org/learning-materials
    - Digital resources to learn about quantum information science
- QIS Key Concepts for Future Learners: https://files.webservices.illinois.edu/9156/keyconceptsforfutureqislearners5-20.pdf
    - Lists 9 key concepts for quantum information science
- Quantum Atlas- Superposition: https://quantumatlas.umd.edu/entry/superposition/
    - Introduction with simulations on what superposition is and how it works
- Univ. of Waterloo: What is QM?: https://uwaterloo.ca/institute-for-quantum-computing/quantum-mechanics
    - Overviews key concepts of Quantum Mechanics
- QPlayLearn: https://qplaylearn.com/
    - Quantum educational games and learning resources
- Quantum Physics simulations: https://www.st-andrews.ac.uk/physics/quvis/
    - Upper level quantum physics simulations

Learning Quantum Computing

- Qbraid: https://uwaterloo.ca/institute-for-quantum-computing/quantum-mechanics
    - Guided lessons in coding for quantum computers
- Google Quantum AI: https://quantumai.google/cirq
    - Introduces Cirq which is an open source framework for programming quantum computers
- Qiskit Algorithm Videos: https://www.youtube.com/playlist?list=PLOFEBzvs-VvrhKYASly1BXo1AdPyoCsor
    - Video tutorials for preparing quantum computers and writing algorithms
- Qiskit Textbook: https://qiskit.org/textbook/preface.html
    - Online textbook for learning about programming quantum computers using Qiskit

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Quantum Games

- Quantum Moves: https://www.scienceathome.org/games/quantum-moves-2/
- Quantum Game: https://quantumgame.io/
- Quantum Chess: https://quantumchess.net/
- qCraft: https://sites.google.com/a/elinemedia.com/qcraft/wiki/qcraft