

# Middle School Students Learn Basic Blockchain Concepts

Summer  
2022

Kraken – Sponsored Summer Camp



## Learning Goal

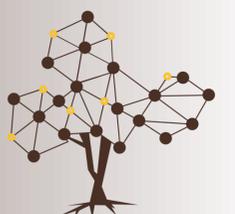
Students engaged in game-based activities, both individually and in small groups, to learn basic elements of technology that forms the basis of a blockchain. Activities ranged from puzzles to ciphers, integrating minimal mathematics and other academic skills. Students demonstrated knowledge-based growth, measured with a pre-camp and post-camp survey.

## Activities

- Caesar Cipher Single-board Battleship
- Micro:Bit consensus-based trivia
- Work: Solve puzzles and problems for prizes
- Build a paper-based blockchain
- Putting it all together – Blockchain Murder Mystery



**Advisor:** Dr. Mike Borowczak  
**Camp Leaders / Content Generation:** Clay Carper and Andey Robins  
**Team Members:** Dr. Trina Kilty, Anna Burton, Carson Lower, Connor Thorpen, Jarek Brown, Mimi Tan, Shawna Wolf



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