Secure network

Working in groups of six, experiment with making the most secure network design.
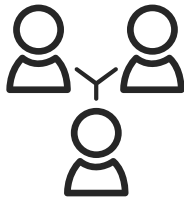
Each person represents a node (a computer capable of sending and receiving information).

The string you have been given represents a connection between nodes (sends information between the two nodes it connects).

Join the string from person to person to create a network.

15 Label each person in your group with a number.

Network failure

Your teacher is going to come around and destroy one node and/or one connection at a time.

Each round record the total number of network connections remaining.

Which group has the largest network connected after five failures?

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Secure network: extension

Blockchain

Blockchain technology is considered secure because it uses a peer-to-peer network (P2P). This means that for anything being shared in this network there are a number of computers (nodes) watching and checking that the transaction is correct. This sort of network makes it very difficult to make fake transactions within the system.

Blockchain is just one example of distributed ledger technologies but it is the most popular. Other personal and business activities that could benefit from being transparent, tamper-proof and permanent could also benefit from using Blockchain.

Want to know more about Blockchain?

For more information and the latest news on Blockchain applications, visit:

www.digitalcareers.csiro.au/links

Use a design thinking process to create your blockchain design

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