

Cityhunt game

This activity is designed to teach young children to learn the concept of Linked List from map reading skills, encryption and decryption.

Definition of Cityhunt:

A cityhunt is a outdoor game in which the organizers prepare a list defining specific items, which the participants seek to gather the items or complete the tasks on the list. Usually participants work in small teams. The goal is to finish a list of clues and find the finish as fast as possible. A cityhunt is distinguished from a treasure hunt, in that the latter involves one or a few items that are desirable and completed in sequence, while a cityhunt primarily collects undesirable or useless objects in random order.

What is a linked list?

A linked lists is a list of notes that stored the previous Nodes ID, my ID, and my data.

Aim of cityhunt

For this activity, players find the task location in a certain path, get to a spot and decode the next location. players can learn map reading, encryption, planning and conducting.

Research of STEM education related to cityhunt

General goal: This will help the kids to learn the basis of linked lists, planning, map reading and decryption.

Prepare work: Set certain location, hide the location with simple encryption(QR code puzzle, Morse code, letter switch, search the location by a photo).



Subject	STEM teaching content	Expected Outcome
Science	Science inquiry skills	Planning and conducting Processing and analysing data and information
Mathematics	Measurement and geometry	Location and transformation

Technology	Encryption	Learning the ways of encryption and decryption
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References:

Top 5 Benefits of Treasure Hunt Team Building Events (2011). Retrieved from <https://www.teamtactics.co.uk/blog/2011/04/04/blog20110404top-5-benefits-of-treasurehuntteam/>

How To Create A Treasure Hunt For Kids. Retrieved from <https://www.care.com/c/stories/3987/how-to-create-a-treasure-hunt-for-kids/>

