Learning graph
IGA - Algorithms: Searching algorithms
Lessons 1-6

Concept:
- Define the terms: decomposition, abstraction and algorithmic thinking.
- Identify algorithms that are defined as written descriptions, flowcharts and code.
- Describe how linear search is used for finding the position of an item in a list of items.
- Describe how binary search is used for finding the position of an item in a list of items.
- Describe how searching problem: finding the position of an item in a list of items.

Skill:
- Recognise scenarios where each computational thinking approach is applied.
- Use a trace table to analyse and create flowcharts using the flowchart symbols.
- Use a trace table to detect and correct errors in a program.
- Use a trace table to detect and correct errors in a program.
- Perform a linear search to find the position of an item in a list containing sample data.
- Perform a binary search to find the position of an item in a list containing sample data.

Key:
- Concept
- Skill
- Links
- Direct prerequisite
- Scaffolding not direct prerequisite

Resources are updated regularly - the latest version is available at: the-cc.io/curriculum.

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