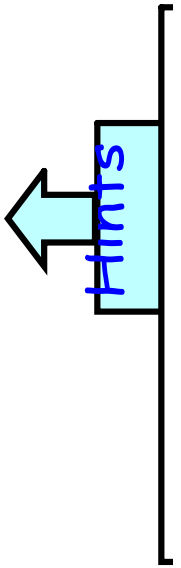
Subject IB Computer Science

Blocks Friday September 11, 2015

10:57 : 50 Minute Block



Lesson

- Guest Teacher -

Lycée International de Boston - International School of Boston
45 Matignon Road - Cambridge - MA 02140

Agenda: September 11, 2015 CS

Essential Question

What is the Computer Science course all about?

Objective(s)

- Introduce students to how they can approach problem solving using computer science frameworks.
- Introduce the methods for students to experience the computer science topics covered by the course.

Warm-Up Activities

Introductions, Name Cards, Computer Topics

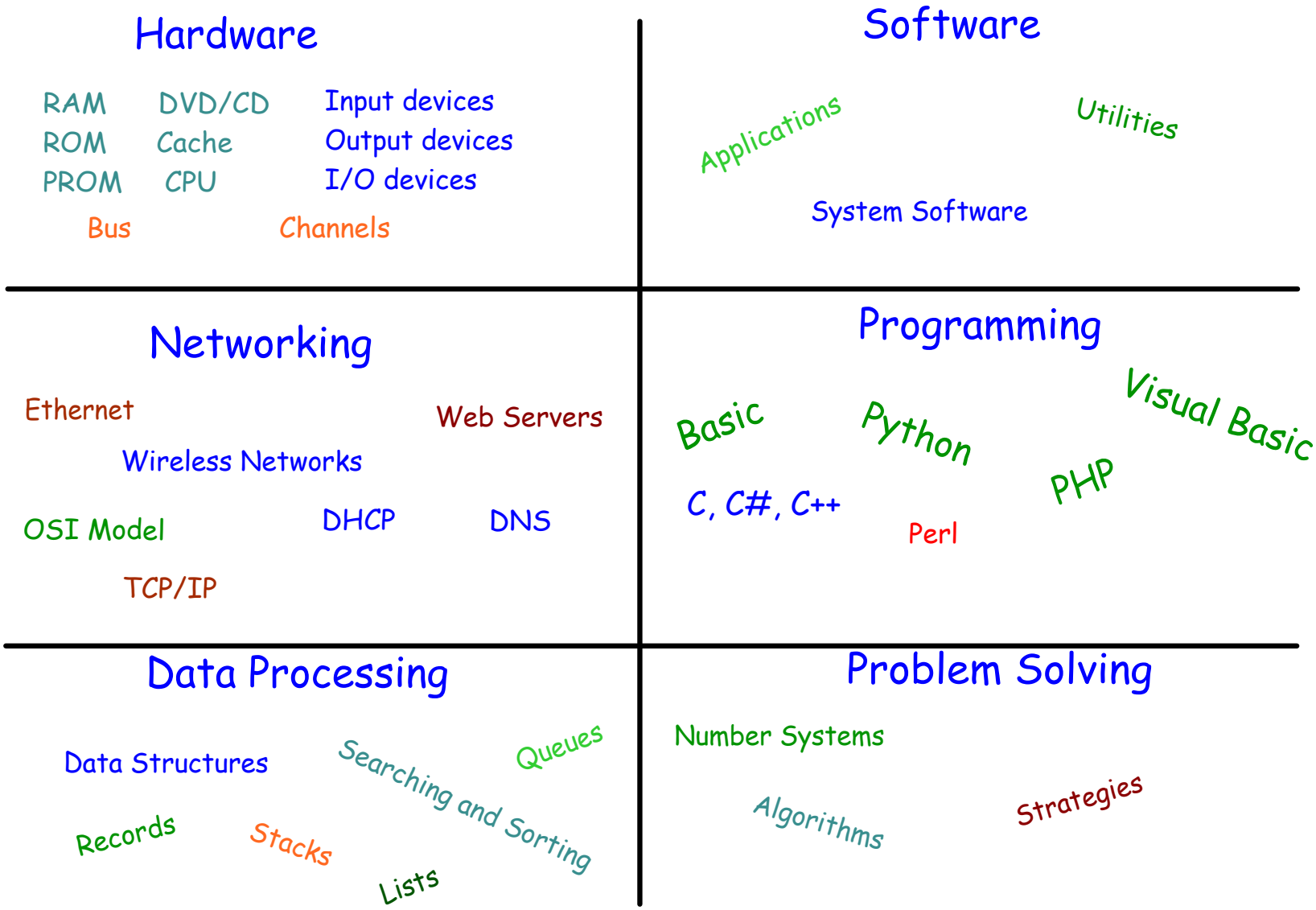
Main Activity

- The Four Cubes Problem
- Command Term Sort Match

Practice Problems | Homework | Student Resources | Teacher Notes

Mr. Brennan
J.Brennan@HWMath.net

Topics of Computer Science





MathHW.net

IB CS Command Terms Sort Match

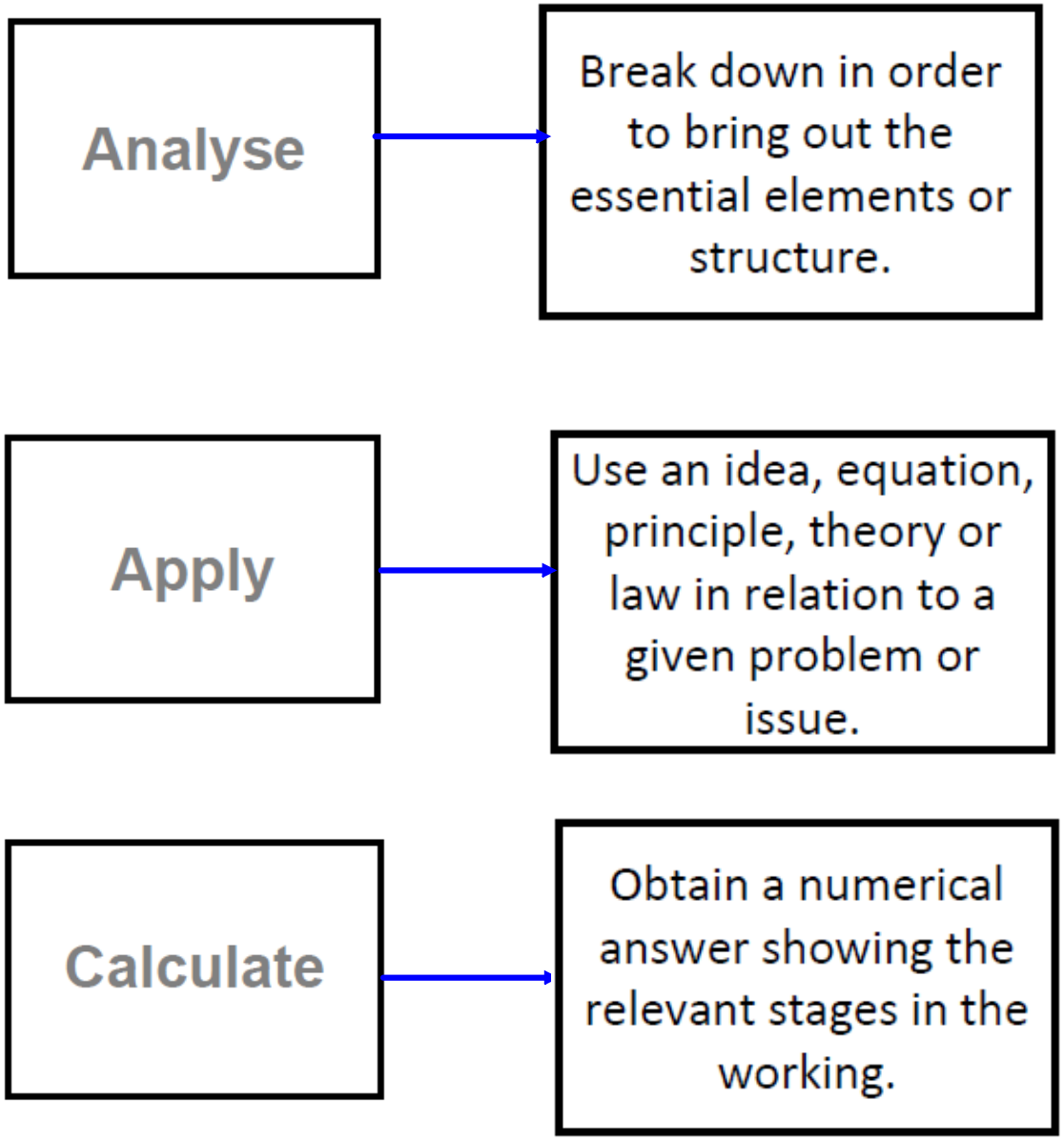
J.Brennan@MathHW.net

Students should be familiar with the following key terms and phrases used in examination questions, which are to be understood as described below. Although these terms will be used frequently in examination questions, other terms may be used to direct students to present an argument in a specific way.

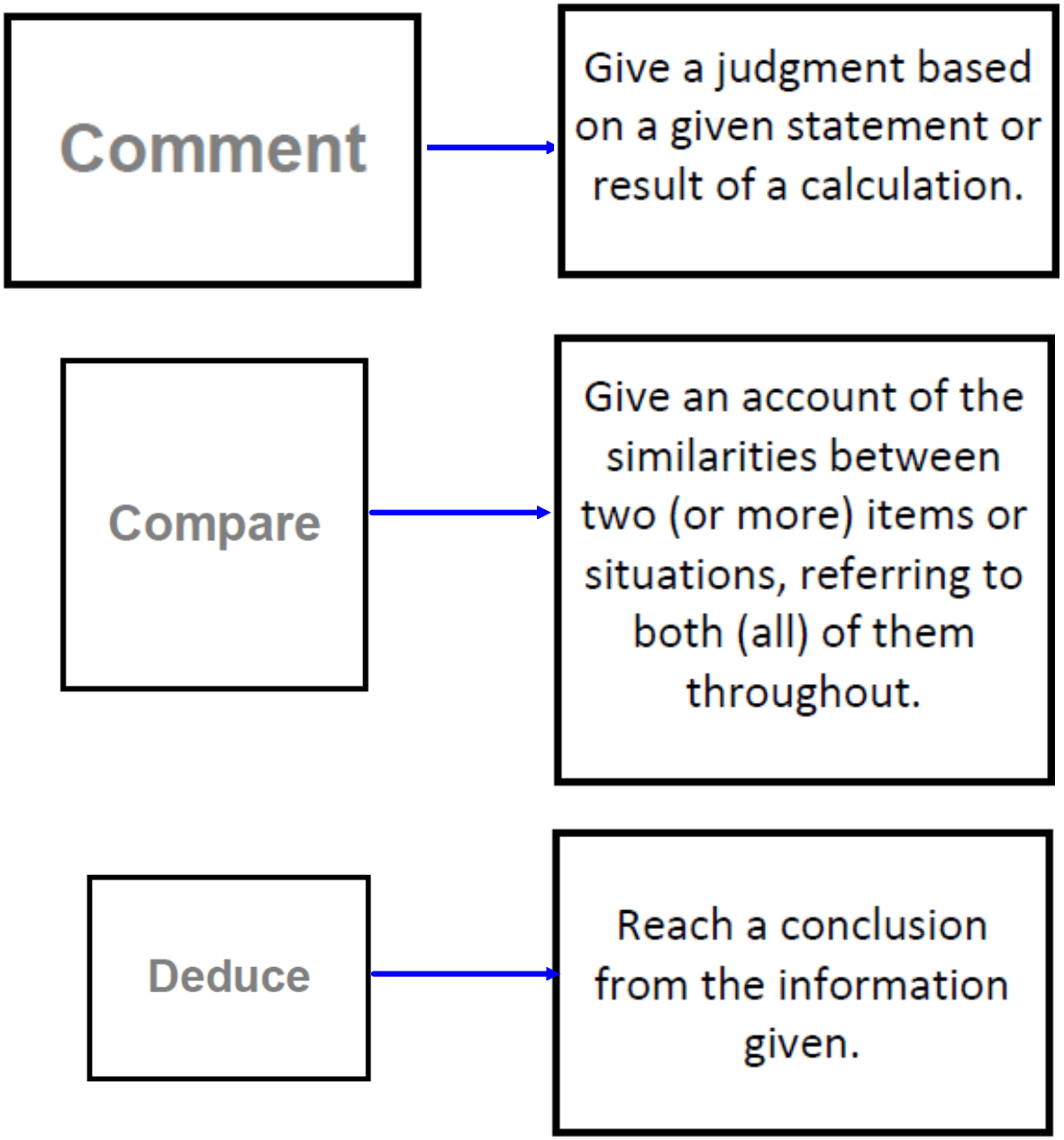
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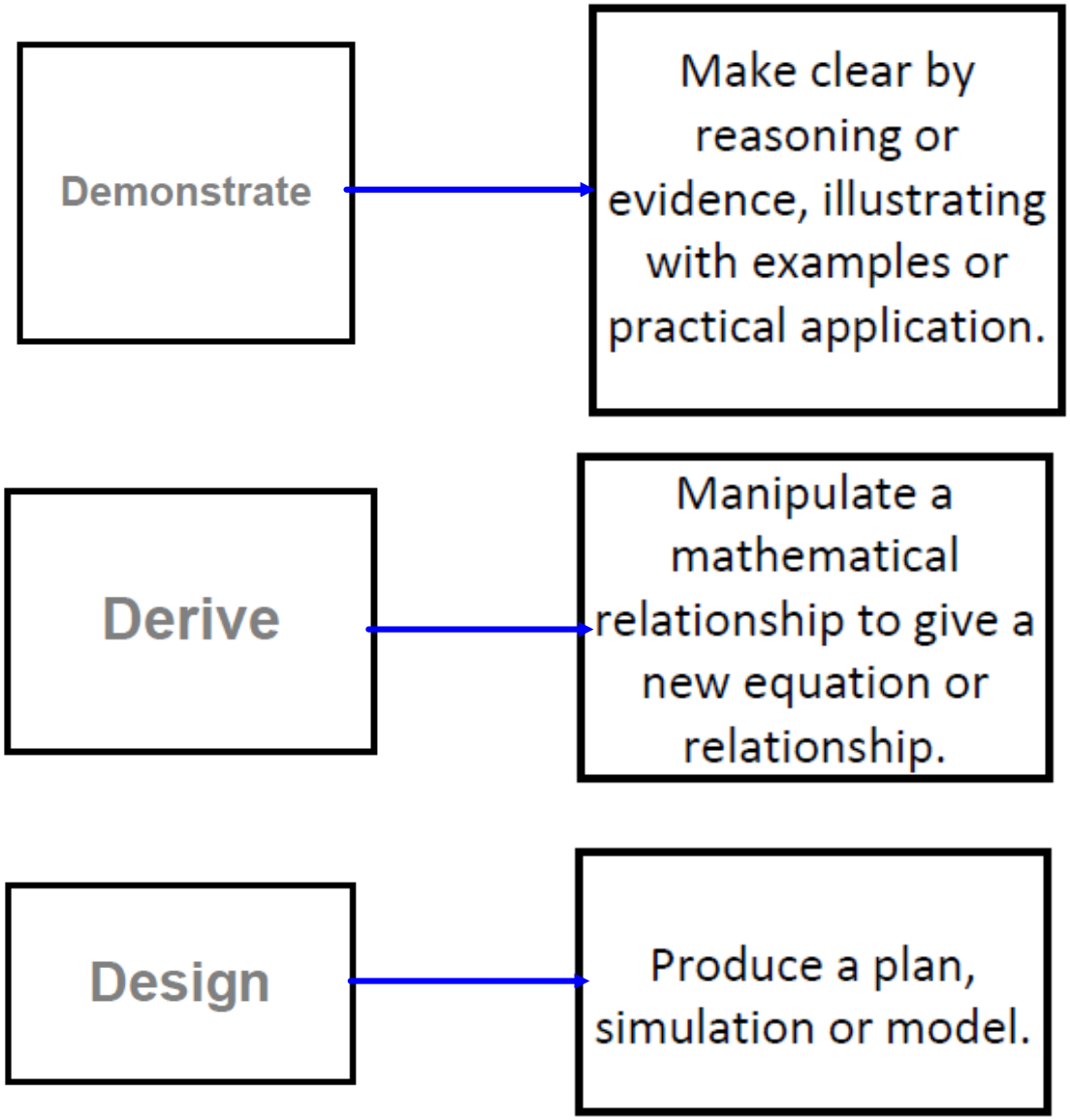
Key


Analyse
Break down in order to bring out the essential elements or structure.
Apply
Use an idea, equation, principle, theory or law in relation to a given problem or issue.
Calculate
Obtain a numerical answer showing the relevant stages in the working.

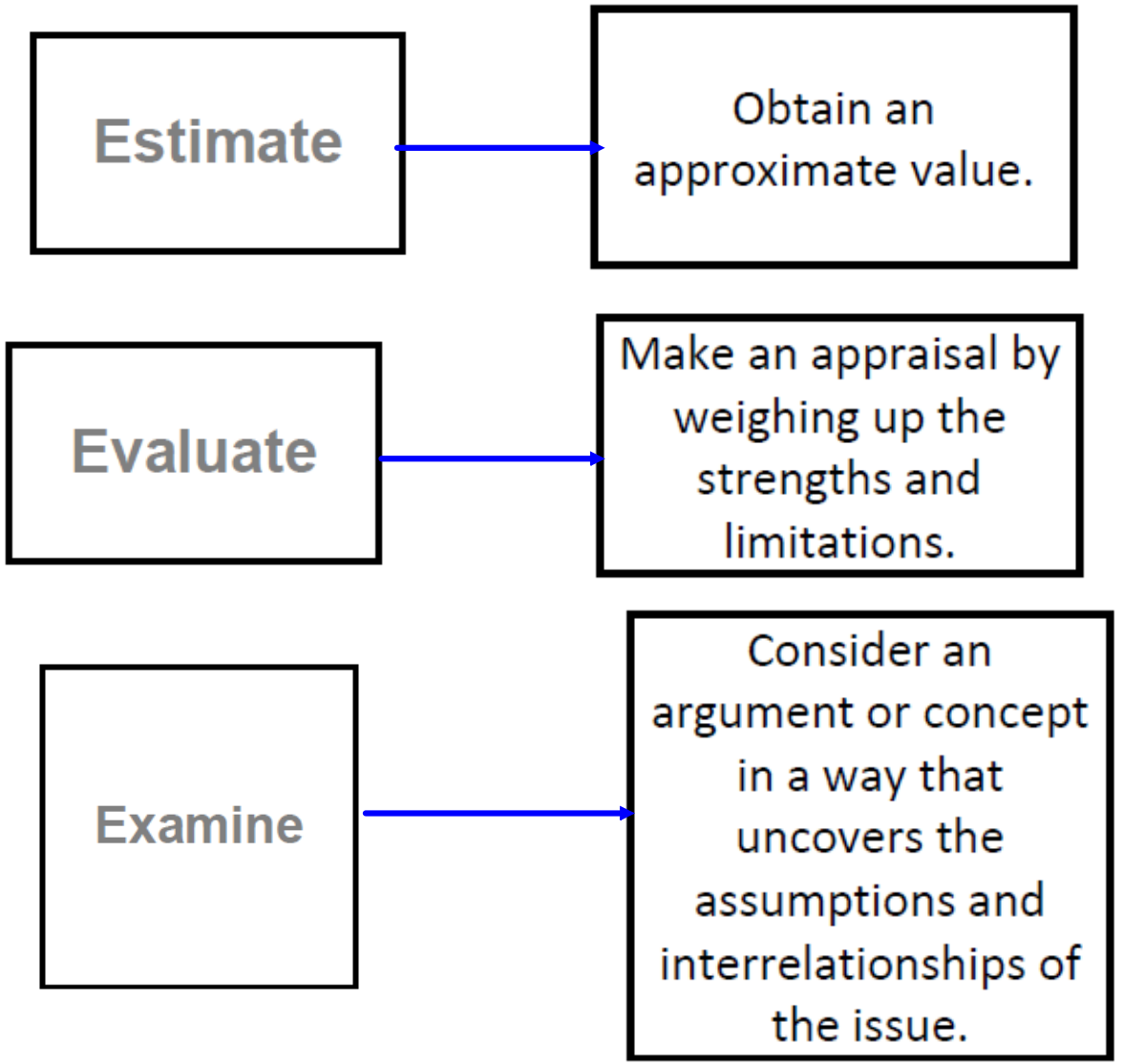
key


Comment
Give a judgment based on a given statement or result of a calculation.
Compare
Give an account of the similarities between two (or more) items or situations, referring to both (all) of them throughout.
Deduce
Reach a conclusion from the information given.

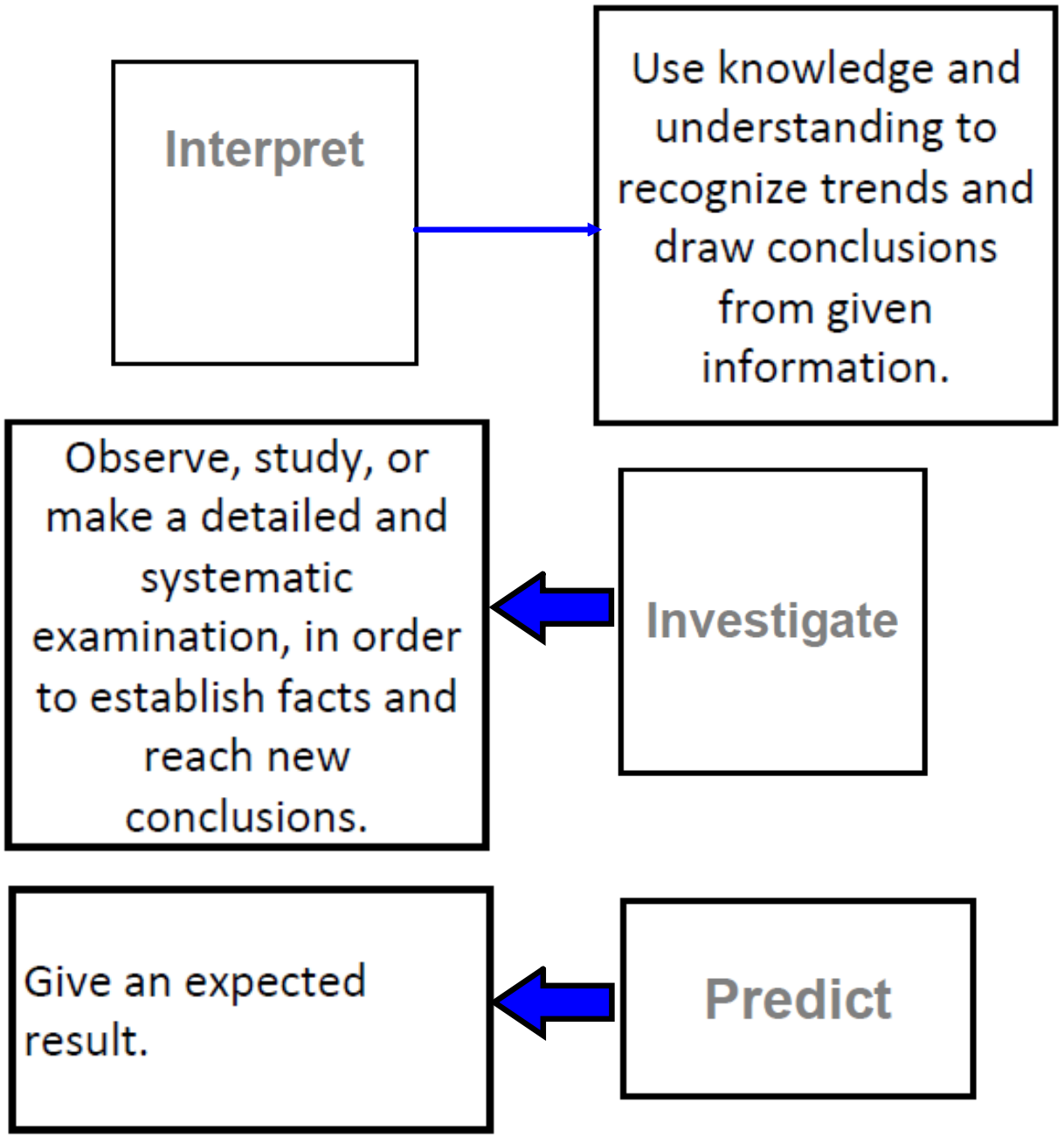
Key


Demonstrate
Make clear by reasoning or evidence, illustrating with examples or practical application.
Derive
Manipulate a mathematical relationship to give a new equation or relationship.
Design
Produce a plan, simulation or model.

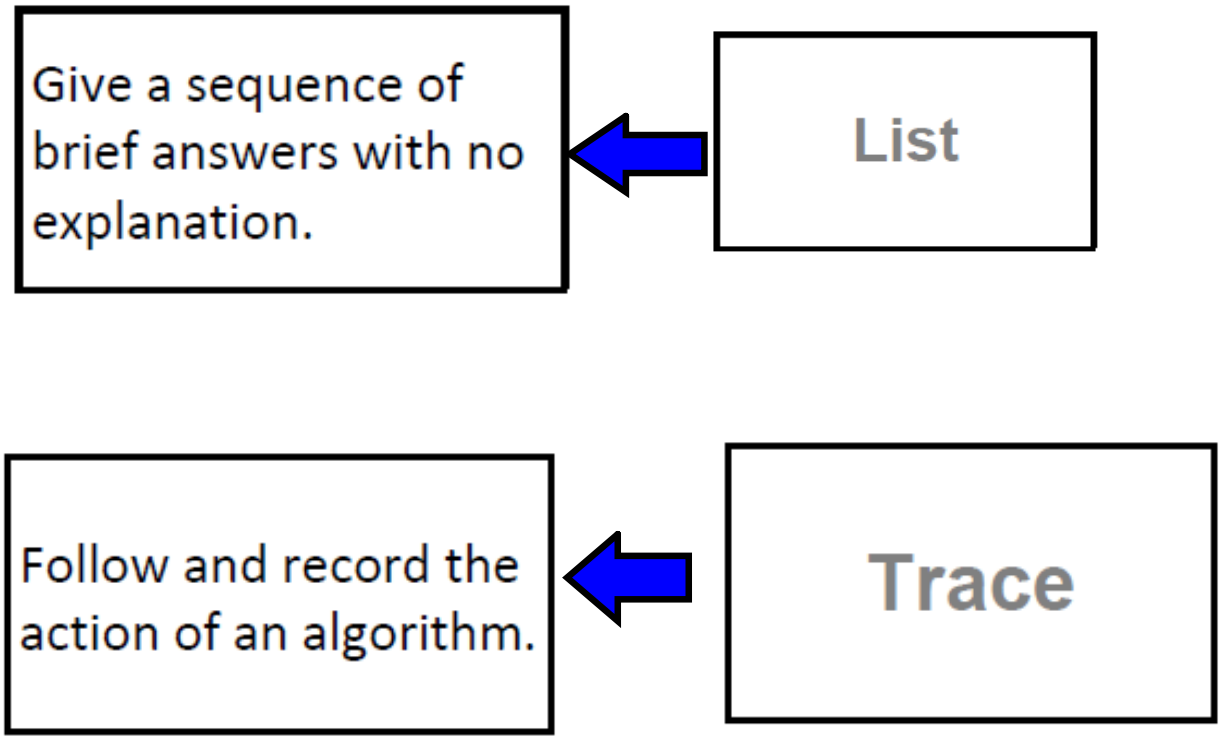
Key


Estimate
Obtain an approximate value.
Evaluate
Make an appraisal by weighing up the strengths and limitations.
Examine
Consider an argument or concept in a way that uncovers the assumptions and interrelationships of the issue.

Key


Interpret
Use knowledge and understanding to recognize trends and draw conclusions from given information.
Observe, study, or make a detailed and systematic examination, in order to establish facts and reach new conclusions.
Investigate
Give an expected result.
Predict

Key


Give a sequence of brief answers with no explanation.
List
Follow and record the action of an algorithm.
Trace