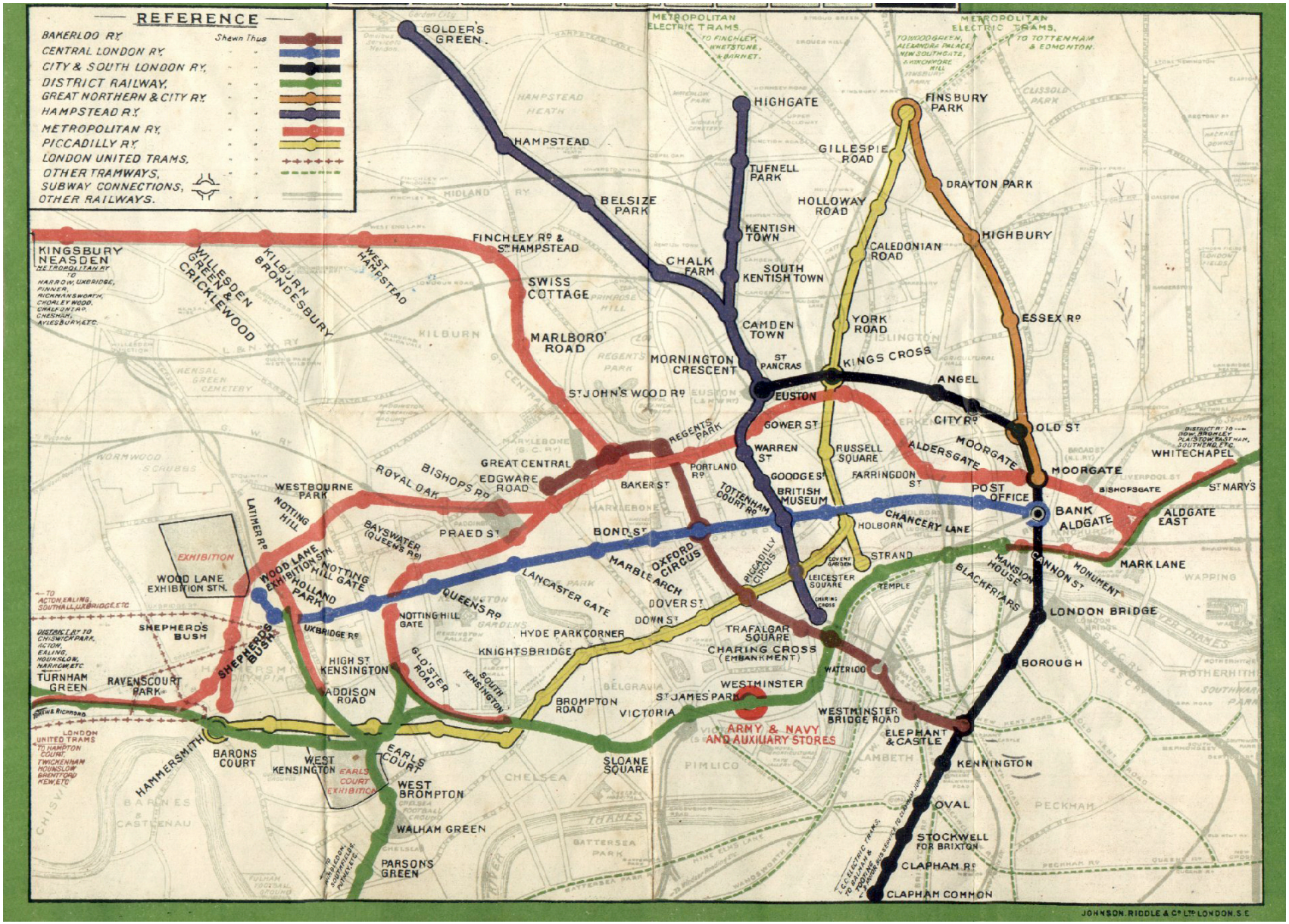
Objects


REFERENCE
BAKERLOO R.Y.
CENTRAL LONDON R.Y.
CITY & SOUTH LONDON R.Y.
DISTRICT RAILWAY.
GREAT NORTHERN & CITY R.Y.
HAMPSTEAD R.Y.
METROPOLITAN R.Y.
PICCADILLY R.Y.
LONDON UNITED TRAMS.
OTHER TRAMWAYS.
SUBWAY CONNECTIONS.
OTHER RAILWAYS.
Shewn Thus
GOLDER'S GREEN
HAMPSTEAD
BELSIZE PARK
HIGHGATE
FINSBURY PARK
GILLESPIE ROAD
TUFNELL PARK
DRAYTON PARK
HOLLOWAY ROAD
KENTISH TOWN
HIGHBURY
CALEDONIAN ROAD
CHALK FARM
SOUTH KENTISH TOWN
FINCHLEY Rd & St. HAMPSTEAD
KINGSBURY NEASDEN
WILLESDEN GREEN & CRICKLEWOOD
KILBURN & BRONDESBURY
WEST HAMPSTEAD
SWISS COTTAGE
CAMDEN TOWN
YORK ROAD
ESSEX Rd
MARLBORO' ROAD
MORNINGTON CRESCENT
ST. PANCRAS
KINGS CROSS
ANGEL
EUSTON
ST. JOHN'S WOOD Rd
CITY Rd
OLD ST
GOWER ST
REGENTS PARK
WARREN ST
RUSSELL SQUARE
ALDERSGATE
MOORGATE
WHITECHAPEL
GREAT CENTRAL
EDGWARE ROAD
PORTLAND Rd
GOODGE ST
FARRINGDON ST
POST OFFICE
BISHOPSGATE
ST. MARY'S
WESTBOURNE PARK
ROYAL OAK
BISHOPS Rd
BAKER ST
TOTTENHAM COURT Rd
BRITISH MUSEUM
BANK
ALDGATE
ALDGATE EAST
NOTTING HILL
LATIMER Rd
BAYSWATER (QUEENS Rd)
PRAED ST
BOND ST
CHANCERY LANE
HOLBORN
EXHIBITION
WOOD LANE EXHIBITION STN.
NOTTING HILL GATE
HOLLAND PARK
OXFORD CIRCUS
MARBLE ARCH
PICCADILLY CIRCUS
STRAND
COVENT GARDEN
LEICESTER SQUARE
MANSION HOUSE
CANNON ST
MONUMENT
MARK LANE
LANCASTER GATE
QUEENS Rd
DOVER ST
TEMPLE
BLACKFRIARS
LONDON BRIDGE
SHEPHERD'S BUSH
UXBRIDGE Rd
HYDE PARK CORNER
TRAFALGAR SQUARE
CHARING CROSS (EMBANKMENT)
KNIGHTSBRIDGE
HIGH ST. KENSINGTON
GLOUCESTER ROAD
SOUTH KENSINGTON
WATERLOO
BOROUGH
TURNHAM GREEN
RAVENSCOURT PARK
ADDISON ROAD
WESTMINSTER
ST. JAMES' PARK
BROMPTON ROAD
VICTORIA
WESTMINSTER BRIDGE ROAD
ELEPHANT & CASTLE
ARMY & NAVY AND AUXILIARY STORES
HAMMERSMITH
BARONS COURT
WEST KENSINGTON
EARLS COURT
EARLS COURT EXHIBITION
WEST BROMPTON
SLOANE SQUARE
KENNINGTON
OVAL
WALHAM GREEN
STOCKWELL FOR BRIXTON
PARSONS GREEN
CLAPHAM Rd
CLAPHAM COMMON
JOHNSON, RIDDLE & Co. LTD. LONDON, S.E.


OPEN MIDSUMMER 1933
REFERENCE
DISTRICT RAILWAY
BAKERLOO LINE
PICCADILLY LINE
EDGWARE, HIGHGATE & MORDEN LINE
CENTRAL LONDON RLY.
METROPOLITAN RLY.
METROPOLITAN RLY. (GREAT NORTHERN & CITY SECTION)
EAST LONDON RAILWAY
INTERCHANGE STATIONS
UNDER CONSTRUCTION****
UNDERGROUND
H.C. BECK

Abstraction

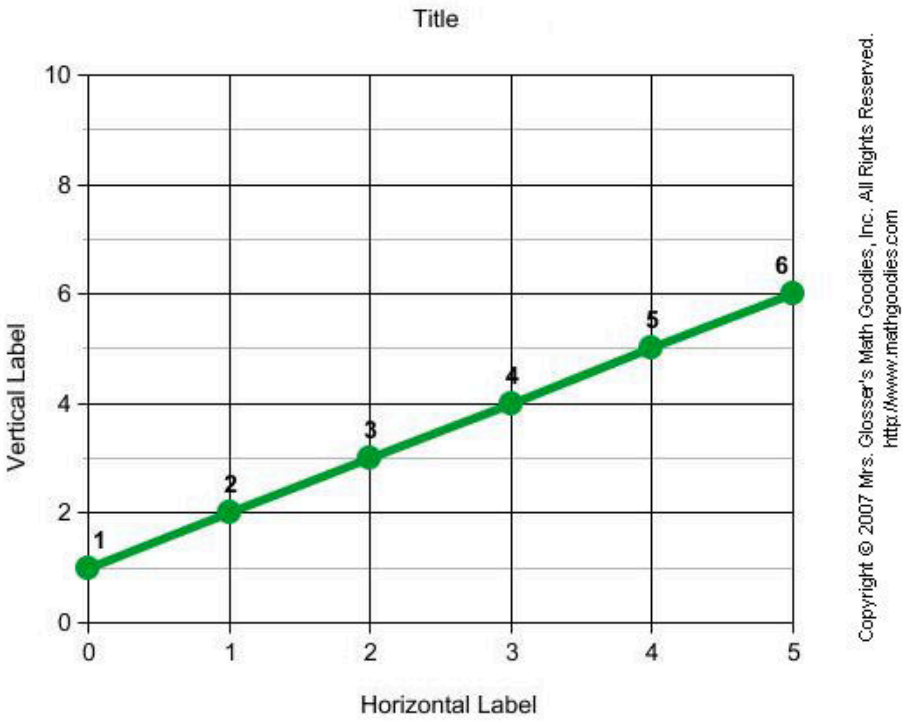
- Abstraction is the process of capturing only those ideas about a concept that are relevant to the current situation.

Abstraction

- ***Control abstraction***: Giving function names to sections of code that then "stand" for that code.
- When we call a function, we don't care how the function works, we just care that it does work.
  - We have captured the meaning of a section of code by giving it a name, while giving the caller of the function the ability to ignore how it works.

Abstraction

- ***Data abstraction***: Choosing to represent a concept by certain features and ignoring others.
- So far, we can use structs for this.



Classes

- Classes = Structs + Functions
- A class is a struct with some functions associated with it that act upon that struct.
- The point of a class is to combine data abstractions (a struct) with appropriate control abstractions (functions), resulting in one entity that has ***state*** (variables) and associated ***behaviors*** (functions).

Design a class

Designing a class

- Classes are declared like structs, but have public and private sections.
- Anything in the public section is accessible by a programmer ***using*** the class.
- Anything in the private section is accessible only by the programmer ***writing*** the class.
- (More about this later.)