Graph	Node
Edge	Path
Cycle	Connected
Weighted	Spanning Tree
Minimum Spanning Tree	

A point or vertex in a graph, representing an object or location	A mathematical model consisting of nodes (vertices) connected by edges (lines)
A sequence of connected edges in a graph	A line in a graph, representing a connection or relationship between nodes
When there is a path between every pair of nodes in a graph	A path in a graph that starts and ends at the same node
A subgraph of a connected graph that includes all the nodes and some of the edges, forming a tree structure	When edges in a graph have numerical values or weights assigned to them
	The spanning tree with the minimum total weight of its edges in a weighted graph