



Graphs and Trees

Lesson Plan: Class 05 / DM / 01



Overall goal of the lesson	This class is an introduction to Graphs and Trees
Prior knowledge required	Nothing specific.

MODULE 1: **Module time:** 35 minutes

Goal:	How to categorise information?
Description:	In this lesson we introduce the kids to Graphs and Trees using simple examples. With the examples given it will help the kids understand how Graphs and Trees can be used to develop solutions to problems by using simple representations
Material required:	Physical: Worksheet 05-DM-01-WS Electronic: PPT presentation (05-DM-01-PPT) as a reference to teach introduction to Graphs and Trees.
Procedure Summary:	<ol style="list-style-type: none"> 1. Go over the power point presentation (05-DM-01-PPT) with the kids 2. Distribute the worksheet (05-DM-01-WS) to see how much the students have understood the concept.
Procedure Details:	<ol style="list-style-type: none"> 1. Start off by where the kids have gone on their summer vacation. 2. With the help of the slides, point to the different cities on the map where they have gone on vacation. 3. With the help of the examples given on the slides introduce the concept of Graphs. 4. The examples in the slides will show what “cycles” in Graphs mean. 5. Have the children come up with their own Graphs (example: places where they have traveled during vacation) 6. Emphasize how making a representation of information you have gives a better clarity on the problem at hand 7. Like Graphs, explain how a Tree can be useful to give a visual representation of a the information you have at hand 8. Go over the examples given on the presentation to explain Trees 9. Give examples with Family Tree
Assessment:	Lesson to introduce about Graphs (cycles in a Graph), Trees
Information Broadcast:	Introduction to Graphs and Trees