

# CREATING MIND MAPS USING MIRO

Dr. Parvesh Lata  
Associate Professor and Head  
Department of Education  
School of Humanities, Social Sciences and Education  
Gd Goenka University, gurugram

# WHAT IS MIND MAPPING?

- ◉ Mind mapping is a highly effective way of getting information in and out of your brain.
- ◉ Mind mapping is a creative and logical means of note-taking and note-making that literally "maps out" your ideas.
- ◉ They have a natural organizational structure that radiates from the centre and use lines, symbols, words, colour and images according to simple, brain-friendly concepts.
- ◉ Mind mapping converts a long list of monotonous information into a colourful, memorable and highly organized diagram that works in line with your brain's natural way of doing things.

- Mind mapping is a slightly different but complementary technique that is concerned with the organisation of ideas and concepts.
- Mind mapping (or “idea” mapping) has been defined as ‘visual, *non-linear* representations of ideas and their relationships’ (Biktimirov and Nilson 2006).
- Mind maps comprise a network of connected and related concepts. Any idea can be connected to any other.
- Free-form, spontaneous thinking is required when creating a mind map, and the aim of mind mapping is to find creative associations between ideas.

# WHAT IS A MIND MAP?

A Mind Map is a visual thinking tool, ideal for brainstorming, exploring ideas and presenting information in a uniquely visual way.

A Mind Map is a diagram for representing tasks, words, concepts, or items linked to and arranged around a central concept or subject using a non-linear graphical layout that allows the user to build an intuitive framework around a central concept.

# AIM OF MIND MAPPING

- The over-riding aim of all mapping techniques is similar.
- If students can represent or manipulate a complex set of relationships in a diagram, they are more likely to understand those relationships, remember them, and be able to analyse their component parts.
- This, in turn, promotes “deep” and not “surface” approaches to learning (Biggs 1987; Entwistle 1981; Marton and Saljo 1976 and Ramsden 1992).

# BENEFITS OF MIND MAPPING

Mind mapping basically avoids dull, linear thinking, jogging your creativity and making note taking fun again.

A Mind Map is a diagram for representing tasks, words, concepts, or items linked to and arranged around a central concept or subject using a non-linear graphical layout that allows the user to build an intuitive framework around a central concept.

# USE OF MIND MAPPING

- The main use of mind mapping is to create an association of ideas.
- However, another use is for memory retention—even if the advantages in the case of mind mapping might be marginal (Farrand et al. 2002).
- It is generally easier to remember a diagram than to remember a description.
- There is empirical support for the use of mapping in enhancing, retaining and improving knowledge.
- Evidence from the cognitive sciences shows that visual displays do enhance learning (Vekiri 2002; Winn 1991).

# CAN USE MIND MAP FOR.....

- Brainstorming (individually or in groups)
- Problem solving
- Planning a particular topic
- Researching and Jot down information from multiple sources from pieces in to whole
- Presenting information from a single Platform
- Gaining insight on complex subjects
- Jogging your creativity
- Note Taking
- Studying and Memorization

## THE FIVE ESSENTIAL CHARACTERISTICS OF MIND MAPPING

- The main idea, subject or focus is crystallized in a central image.
- The main themes *radiate* from the central image as 'branches'.
- The branches comprise a key image or key word drawn or printed on its associated line.
- Topics of lesser importance are represented as 'twigs' of the relevant branch.
- The branches form a connected nodal structure.

# The Power of Images

- ◉ There is a well-known quote, "A picture is worth a thousand words".
- ◉ We associate and remember images because they make use of a massive range of your cortical skills, especially imagination.
- ◉ Images can be more evocative than words, more precise and potent in triggering a wide range of associations, thereby enhancing creative thinking and memory.

# Tony Buzan and Mind Mapping

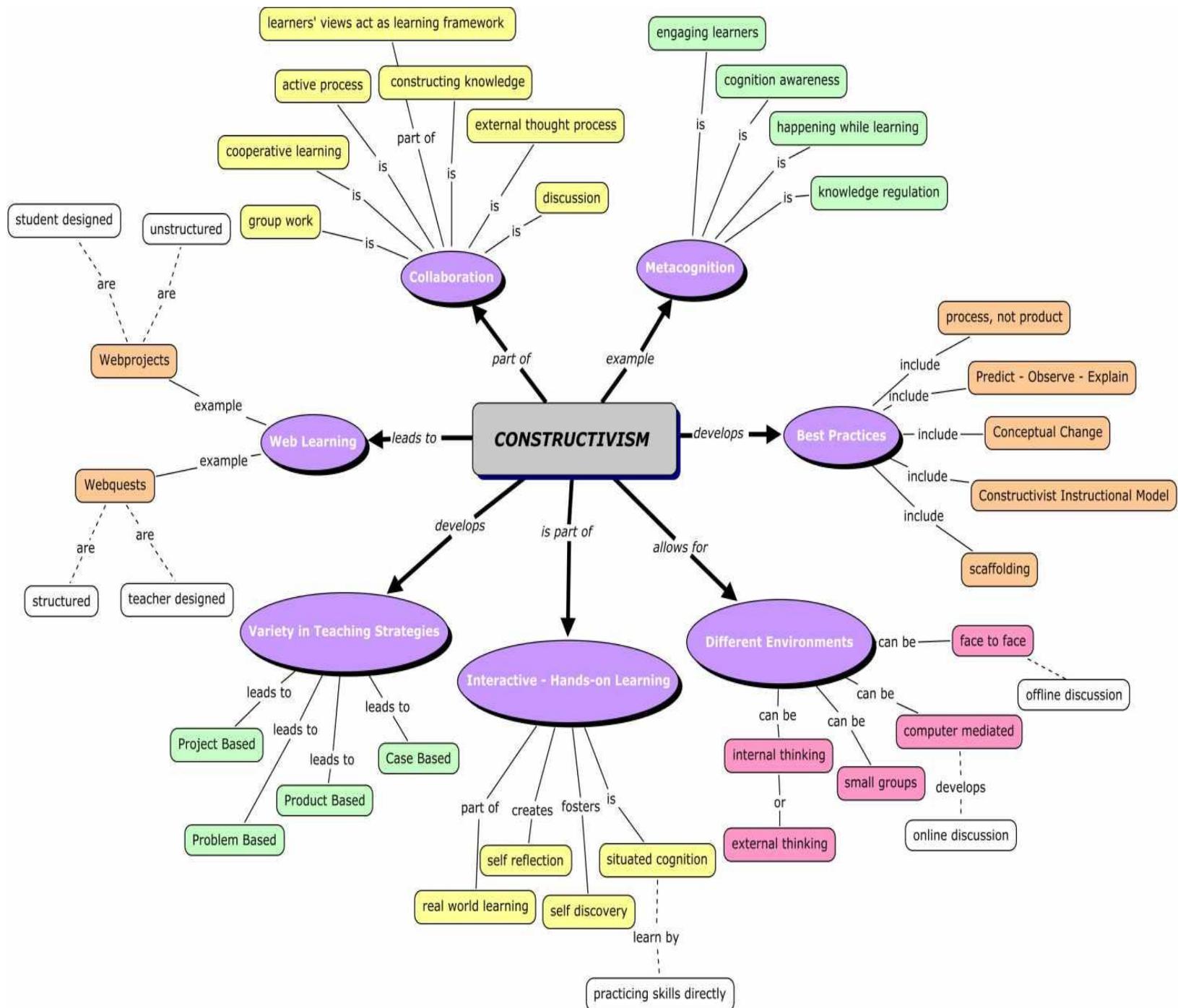
- Although people have been creating maps using an image-centered radial graphic organization technique for centuries, British psychology author Tony Buzan has made a claim to the origin of the Mind Map.
- He argues that 'traditional' outlines require that the reader scans the information from left to right and top to bottom, whilst the brain's natural preference is to scan the entire page in a non-linear fashion.
- Buzan also uses widespread assumptions about the cerebral hemispheres in order to promote the exclusive use of mind mapping over other forms of note making.

# Types of Mind Maps

- ◉ Mind maps are mainly used in the early stage of a project or program to analysis the subject or solve problems. According to different purposes, mind maps can be classified into 3 types:
- ◉ Library mind maps for information organizing
- ◉ Presentation mind maps for presenting ideas and projects
- ◉ Tunnel timeline mind maps for organizing or making a project plan

# Mind Map Type 1: Library Mind Maps

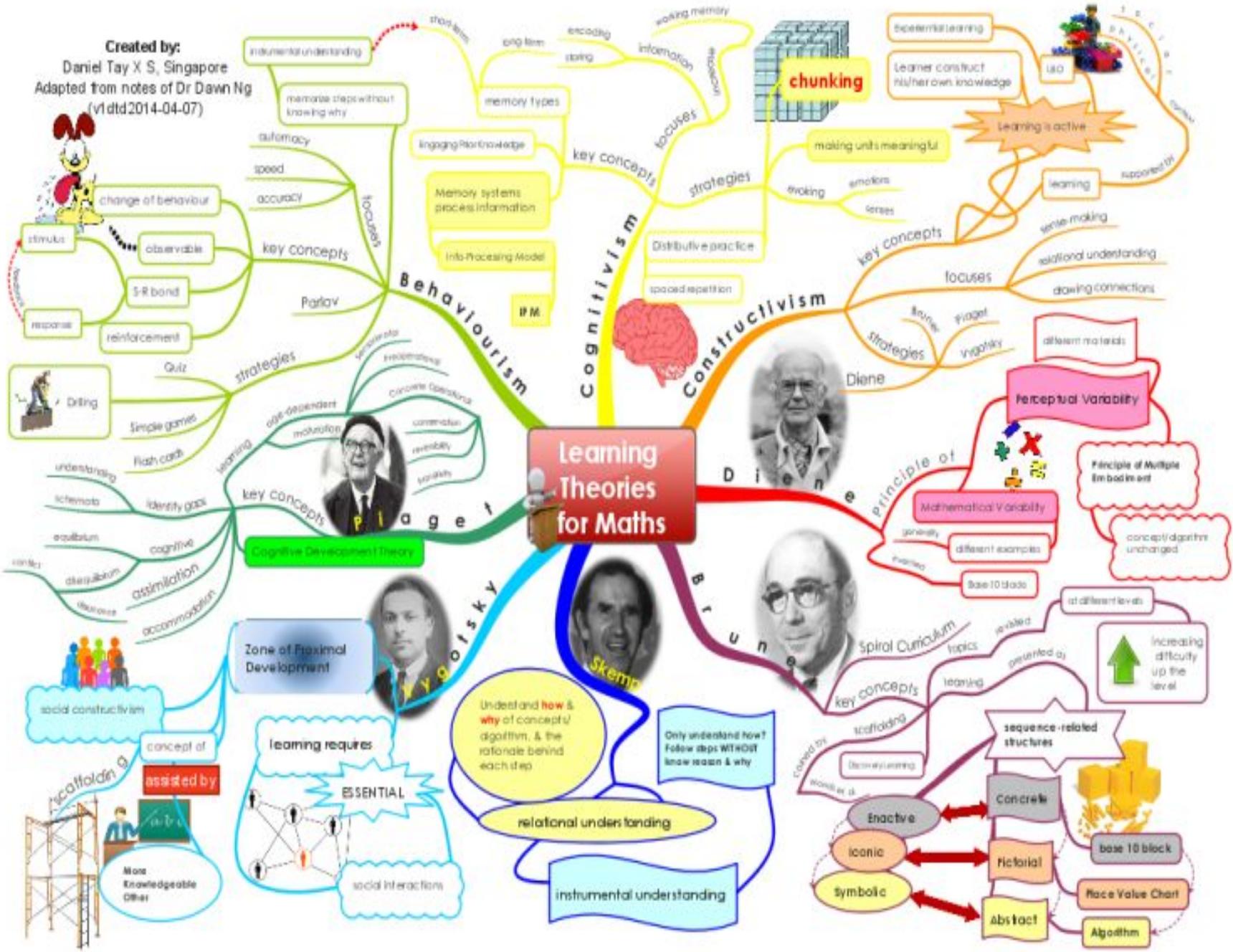
- Library mind maps can also be called reference maps.
- This type of mind maps are mainly used to organize information, so that you can have a clear and visual understanding of the subject without missing anything out.
- The purpose of library mind maps is to sort and organize the collected information for a better understanding of the subject.
- When creating a library mind map, first step is to put all the information together and organize it in a map tree. The map will show how each information linked to each other and how they can serve the main idea.



## Mind Map Type 2: Presentation Mind Maps

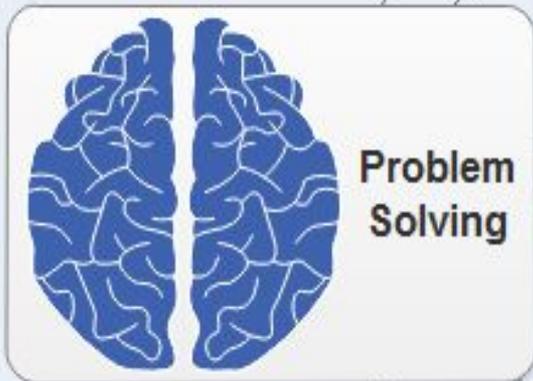
- ◉ This type of mind map is used to present the process of an idea to the audience.
- ◉ Presentation mind maps illustrate the way that the project goes in order to track the steps.
- ◉ Therefore the focus of a presentation mind map is the audience instead of the topic.
- ◉ How the information should be positioned in the map depends on whether the audience can understand it or not.
- ◉ If the audience can follow with the way you are presenting, then the map is well structured. Thus, your presentation can be well accepted by the audience.
- ◉ This type of mind map can be used for explaining an activity or a training session.

Created by:  
Daniel Tay X S, Singapore  
Adapted from notes of Dr Dawn Ng  
(v1dtd2014-04-07)



## Mind Map Type 3: Tunnel Timeline Mind Maps

- ◉ This type of mind maps are also simplified as planning mind maps, they are mainly used for project strategy, program plan, or problem solving.
- ◉ Tunnel timeline mind maps are designed to achieve a goal.
- ◉ The purpose of this type of mind maps is to visualize success.
- ◉ The center (main topic) of the mind map is the outcome that you pursuit, and each sub-topic represents a path to achieve that outcome.



1 What's the problem

Think about the real purpose  
Find out the gap

2 Analysis of current situation

Vague concept  
Quantification

4 Find out the reasons

Why?  
Use tools to analysis  
Find out the reason from the phenomenon

5 Solutions

Who  
Where  
When

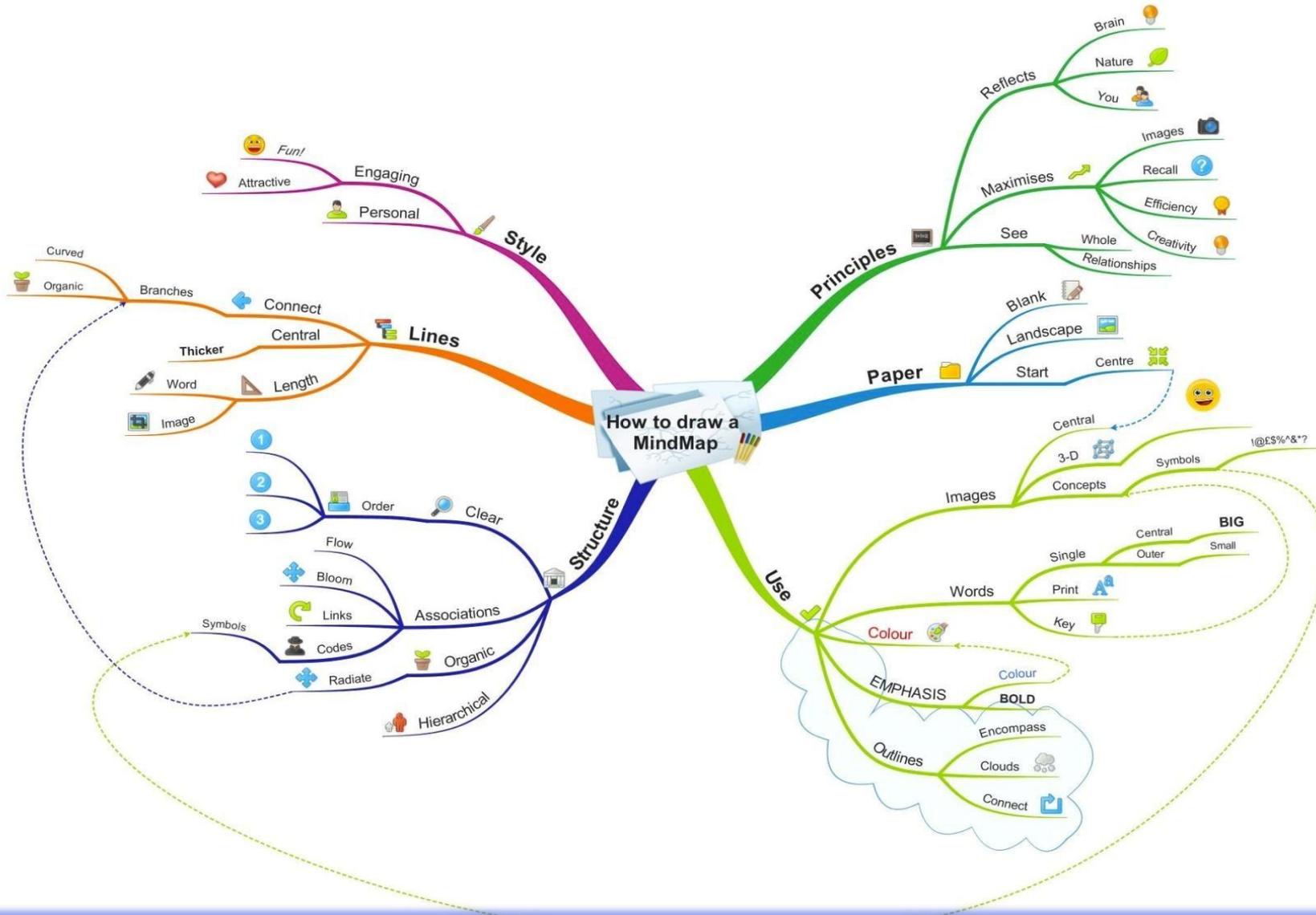
6 Implement

Check effect of implementation  
Stop useless solution  
Finish

# HOW TO MAKE A MIND MAP

- ◉ Think of your general main theme and write that down in the centre of the page. i.e. Food
- ◉ Figure out sub-themes of your main concept and draw branches to them from the centre, beginning to look like a spider web.
- ◉ Make sure to use very short phrases or even single words.
- ◉ Add images to invoke thought or get the message across better.
- ◉ Try to think of at least two main points for each sub-theme you created and create branches out to those.

# SAMPLE OF MIND MAP





# TOOLS OF CREATING MIND MAP

MindMeister  
Imind Map  
Coogle  
X-Mind  
Free Mind  
Miro  
Popplet  
Text2  
Mind Note  
Mindo  
Big Mind  
Mind Genius

Mind manager  
Free plane  
The Brain  
Scapple  
Mapul  
CoMapping  
Mind App  
Mind Map  
Mind 43  
Mindomo  
Storm Board  
Iblue Sky

# MIRO

- ◉ Miro is a digital “whiteboard” platform that can make it easy to brainstorm and collaborate with members of your team or innovation program.
- ◉ The software allows you to create notes and designs, move things around, and communicate through embedded video calls or online chats. The tool also comes with a series of pre-built templates that can inspire or serve as a starting place for your own project work
- ◉ *Miro has been widely used by million users for creating mind maps for concept building.*

## SOME COMMON USES OF MIRO INCLUDE:

- ◉ Creating a list of ideas or topics to focus on for an important project
- ◉ Developing a user story or customer journey map
- ◉ Wireframing a new product concept or idea
- ◉ Laying out a roadmap or strategy for an innovation workshop or program
- ◉ Running a more engaging or innovative meeting for your team in an agile culture
- ◉ Miro can connect to some other common virtual working tools, such as Google Drive, Slack, Asana, Trello, and SurveyMonkey.

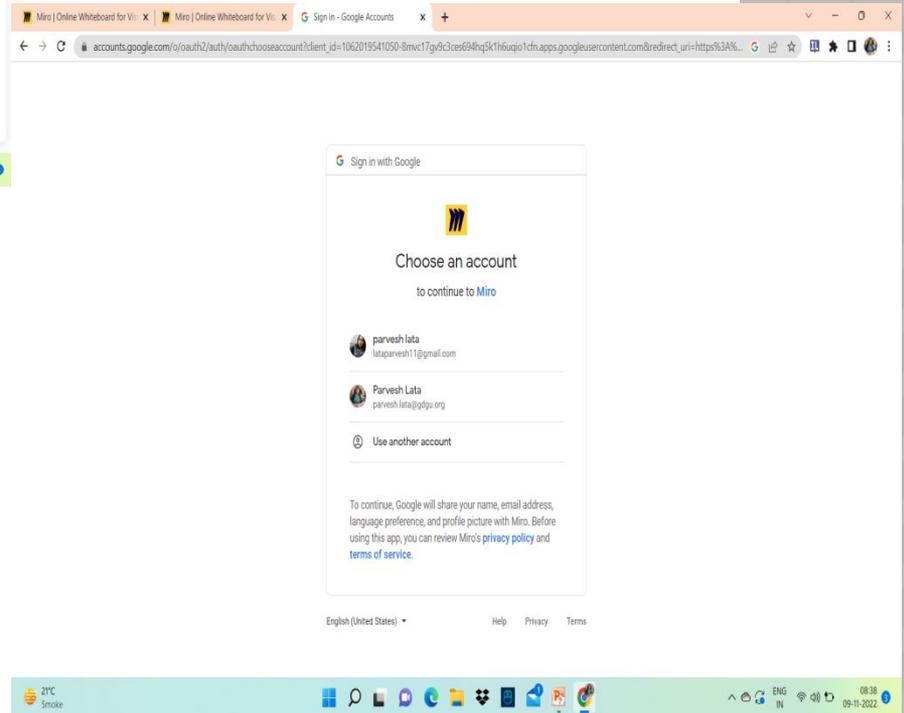
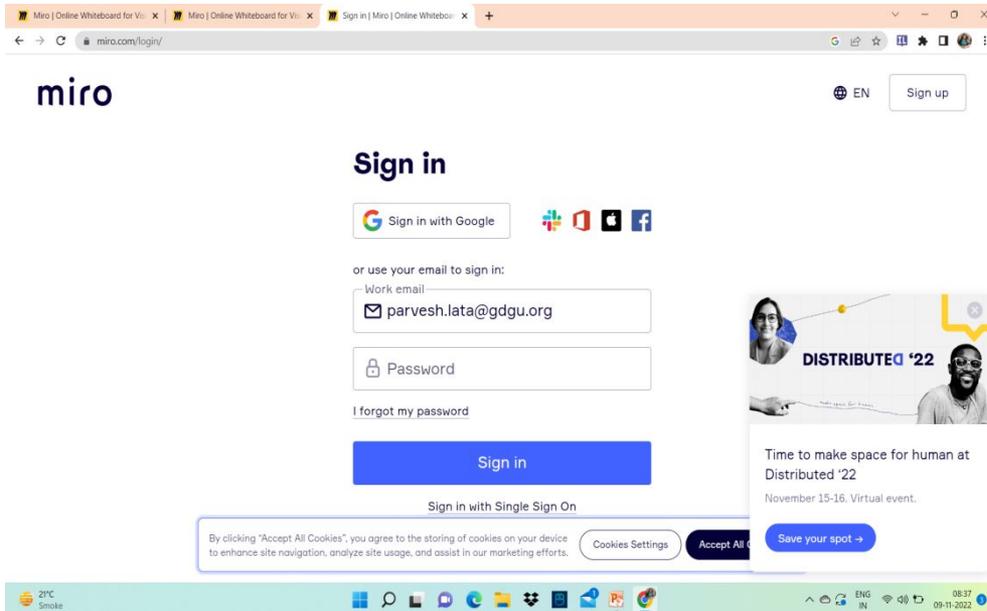
# WHAT IS MIRO CONCLUSION?

- ◉ Miro can be used as a part of video meeting tools like Hopin or Whereby where you can share your Miro board (like you would your screen) and participants can add to the Miro board without opening a new browser tab.
- ◉ Miro is one of the fastest growing software tools due to the major shift to remote work catalyzed by the COVID pandemic. It really can make your meetings or workshops more visual, collaborative, and engaging.

# MIRO

**First of all, Login to MIRO web app at <https://miro.com/login/>. This will redirect you to your dashboard**

# ○ SIGN IN WITH GOOGLE AND CHOOSE ACCOUNT



# AFTER LOGIN THIS WINDOW OPENS

The screenshot shows the Miro dashboard interface. At the top, there are three browser tabs for 'Miro | Online Whiteboard for Vis...'. The address bar shows 'miro.com/app/dashboard/'. The main header includes the 'miro free' logo, a search bar for boards, and buttons for '+ Invite members' and 'Upgrade'. A user profile icon is visible in the top right. The left sidebar contains navigation options: 'Recent boards', 'Starred boards', 'Teacher Educatio... 1 user', 'Boards in this team', 'Miroverse', 'Projects', and 'Upload from backup'. The central area is titled 'Create a board' and features a 'Recommended templates' section with icons for '+ New board', '+ Mind Map', '+ Kanban Framework', '+ Quick Retrospective', '+ Flowchart', '+ Product Roadmap', '+ User Story Map Fra...', and '+ Character Icebreaker'. A 'Show All' link is located at the end of this row. Below this is the 'Boards in this team' section, which includes a dropdown for 'Owned by anyone', a dropdown for 'Last opened', and a grid icon. A card for 'env education' is partially visible. A pink arrow points to the 'Show All' link, and another pink arrow points to the user profile icon in the top right.

# TEMPLATES OF MIRO APP

The screenshot shows the Miro app dashboard with a search overlay. The search bar contains the text "Search templates by name, category or comp...". The left sidebar lists various categories, with "Brainstorming & Ideation" highlighted in a dark blue box and pointed to by a pink arrow. Other categories include "Meeting & Workshops", "Agile Workflows", "Mapping & Diagramming", "Research & Design", and "Strategy & Planning". The main area displays a grid of template cards, each with a preview image and a title. The templates shown are:

- S.C.A.M.P.E.R.**: A central node with arrows pointing to six surrounding nodes.
- Random Words**: A central node with arrows pointing to six surrounding nodes, each with a different colored line.
- Concept Map**: A central node with arrows pointing to six surrounding nodes, each with a different colored line.
- Mind Map**: A central node with arrows pointing to six surrounding nodes, each with a different colored line.
- Customer Touchpoint Map**: A horizontal timeline with three nodes and arrows pointing to six surrounding nodes.
- Customer Journey Map**: A horizontal timeline with three nodes and arrows pointing to six surrounding nodes.

# CLICK ON NEW MIND MAP FOR CREATING YOUR TEMPLATE AND CREATE TEAM BOARD

The screenshot shows the Miro dashboard interface. At the top, there are three browser tabs for "Miro | Online Whiteboard for Visi...". The address bar shows "miro.com/app/dashboard/". The main header includes the Miro logo, a search bar, and a notification "Board has been deleted Undo". On the right, there are buttons for "Invite members", "Upgrade", and a user profile icon. The left sidebar contains navigation options like "Recent boards", "Starred boards", and "Teacher Educatio...". The main content area is titled "Create a board" and features "Recommended templates" including "New board", "Mind", "Product Roadmap", "User Story Map Fra...", and "Character Icebreaker". A modal window is open in the center, titled "Create next team shared board". It contains the text "Upgrade to create private boards, and only share boards with your team when you're ready" and two buttons: "Create team board" and "Upgrade". A red arrow points to the "New board" template in the background, and a red callout bubble with the name "Anna" is positioned over the modal.

# CREATE MIND MAP

Miro | Online Whiteboard for Visi x Miro | Online Whiteboard for Visi x Untitled, Online Whiteboard for \ x +

miro.com/app/board/uXjVPF\_bwI0=/

## Mind Map

Use pre-filled

Use blank template

Miro Mind Map

Brainstorm  
Structure research results  
Design information architecture  
Plan projects  
Create org charts  
Develop sub-strategies  
Analyse problems

Use cases

Real-time collaboration  
Endless canvas  
Comments  
Video chat  
Presentation mode  
High resolution export

Robust collaborative features

Add as many mind maps as you want on the board  
Plan visually or discuss designs at the same board  
Embed your mind map to external websites  
Give pre-made templates a try

More than a mind map

All users including free plans

Availability

Mind mapping features

Different themes  
Multicolored curved  
Monochromatic ragged

Keyboard shortcuts  
Auto arrange  
Links to anything

Miro Mind Map

Miro.com

## About this template

A mind map is a diagram designed to organize information in a visual hierarchy. It's often used to see connections between concepts or ideas. It's ideal for visual learners as this method lacks the rigid structure of other ideation techniques, focusing instead on the creative and logical means of literally mapping out ideas. [Learn more about this template](#) →

Miro  
Online Collaborative Whiteboard

Miro empowers distributed teams to work effectively together, from brainstorming with digital sticky notes to planning and managing agile workflows.

## Related examples

Meetings

Diagram

100% + ?

22°C  
Smoke

08:54  
09-11-2022

# TASK FEATURES OF MIRO APP

The screenshot displays the Miro online whiteboard interface. At the top, the browser address bar shows the URL `miro.com/app/board/uXjVPF_bwFA=`. The Miro logo and "Mind Map" title are visible in the top left. A toolbar on the right contains icons for navigation, zoom, and sharing, along with a "Share" button. On the left, a vertical toolbar lists various tools: select tool, Templates, text, Sticky notes, shapes, connection lines, Frames, Pen tools, Upload, Undo, and open side bar. Each tool is represented by a colored icon and a corresponding text label.

In the center of the whiteboard, a mind map is displayed with a central node labeled "Problem". The mind map branches out into several nodes, each labeled "Type something". A floating toolbar above the mind map includes icons for erasing, selecting, bolding, linking, font size (14), text color, fill color, and locking. The bottom of the screen shows a Windows taskbar with various application icons, a system tray with weather (23°C Smoke), network, and time (09:40 09-11-2022) information.

# UPLOAD IN MIRO APP

The screenshot displays the Miro online whiteboard interface. At the top, the browser address bar shows the URL `miro.com/app/board/uXjVPF_bwfA=`. The Miro logo and "Mind Map" title are visible in the top left. A toolbar on the right contains icons for navigation and a "Share" button. The central workspace features a mind map with a central node labeled "Problem" and several branches, each containing the text "Type something".

The left sidebar is open, showing a list of upload options. A yellow callout box labeled "select tool" points to the selection tool icon. A green callout box labeled "Templates" points to the Templates icon. A blue callout box labeled "Upload" points to the Upload icon. A blue callout box labeled "Undo" points to the Undo icon. A blue callout box labeled "open side bar" points to the sidebar toggle icon.

The upload menu includes the following options:

- My device
- Upload via url
- Saved files
- Web Clipper
- Adobe CC
- Google Drive
- Dropbox
- Box
- OneDrive

The bottom of the screen shows the Windows taskbar with various application icons, the system tray with the date and time (09:43, 09-11-2022), and the temperature (24°C, AQI 451.68).

# MORE TOOLS IN MIRO APP

The screenshot displays the Miro online whiteboard interface. At the top, the browser address bar shows the URL `miro.com/app/board/uXjVPF_bwFA=/`. The Miro logo and 'Mind Map' title are visible in the top left. A toolbar on the right contains various icons for navigation and editing, including a 'Share' button. On the left, a sidebar titled 'Apps' is open, featuring a search bar and a list of tools: Embed iFrame code, IconFinder, Stickies capture, Wireframe Library, Diagramming, Stickers and Emojis, Charts, Mind map, Tables, Card / D, Kanban, and Smartsheet. A blue tooltip 'open side bar' is positioned over the sidebar icon. The main workspace contains a mind map with a central node labeled 'Problem' and several branches, each containing the text 'Type something'. The bottom of the screen shows the Windows taskbar with the date and time set to 09:41 on 09-11-2022.

# SHARING IN MIRO APP

The screenshot displays the Miro application interface with a sharing dialog box open. The dialog box is titled "To" and contains the following options:

- Invite to team and board [Can edit](#) [Copy team invite link](#)
- Team access to board [Can view](#)  
[Can comment](#)  
[Can edit](#)  
[No access](#)
- Anyone with the link [No access](#)

Below the options, there is a message: "Invite **unlimited members** for free. All your boards will be visible to them. [Upgrade to make boards private.](#)"

At the bottom of the dialog box, there are two links: [Get embed code](#) and [Send feedback](#).

The background shows a mind map diagram with various tools and shapes, including "select tool", "Templates", "text", "Sticky notes", "shapes", "connection lines", "Frames", "Comment", "Pen tools", "Upload", "Undo", and "open side bar".

# INVITE MEMBERS IN MIRO APP

The screenshot shows the Miro app dashboard with a modal window for inviting members to a board titled "Teacher Education". The modal includes options to invite from Slack or Gmail, a note about guest access on paid plans, a list of email addresses, a "Send invitations" button, and an option to enable an invite link. The background shows the Miro dashboard with a search bar, "Create a board" section, and "Boards in this team" section.

**Invite to Teacher Education**

Invite from Slack or Gmail contacts

Accounts on paid plans can also invite **guests**, who have access to shared boards only. [Upgrade now](#)

Email addresses

- name@example.com
- name@example.com
- name@example.com

Add many at once

**Send invitations**

Enable invite link and share with your teammates

<https://miro.com/welcome/Q0dFaVNXNTBta1Ri> **Copy**

# CREATIVE TIPS FOR MAKING MAPS

- ◉ Review available visual materials such as photos, sketches, graphs, etc.
- ◉ Focus upon a visual language approach to communication.
- ◉ Consider possible formats for visual structuring.
- ◉ Relax, close your eyes and allow your mind to "free associate".
- ◉ Draw informal, thumbnail sketches of your visual impressions.
- ◉ Experiment with a variety of visual layout formats.
- ◉ Colour shapes, arrows or words for emphasis.
- ◉ Imagine a bird's eye overview of the subject matter to be presented.
- ◉ Look with fresh eyes, is the visual presentation attractive?
- ◉ Ask yourself, are these visuals compelling? Do they help convince the viewer that the subject matter is important and inviting?
- ◉ Integrate the visuals with the text. Does it work to the best advantage?
- ◉ Keep a record of the maps you do (Perhaps in your "Visual Notebook").

- The great thing about mind mapping is that one can put one's ideas down in any order, as soon as they pop into your head.
- You are not constrained by thinking in order. Simply, throw out any and all ideas, and then worry about reorganizing them later.
- The Mind Map is the external mirror of your own *radiant* or natural thinking facilitated by a powerful graphic process, which provides the universal key to unlock the dynamic potential of the brain.

- One simple way to understand a Mind Map is by comparing it to a map of a city.
- The city centre represents the main idea;
- the main roads leading from the centre represent the key thoughts in your thinking process;
- the secondary roads or branches represent your secondary thoughts, and so on.
- Special images or shapes can represent landmarks of interest or particularly relevant ideas



**PRACTICE YOURSELF**



**THANK YOU**