

Aligned with NEP

**MYJO**<sup>®</sup>  
Smart Schooling

# SCIENCE STAR

4

An Activity-Based Course in Science

Module - I

Powered by **Mind Mapping** | Driven by **Values** | Supported by **Activity Material**



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### **Acknowledgements**

We made our best efforts to produce this book free of errors. Please feel free to reach us for feedback and suggestions for the upgradation of the book to: [myjofeedback@mseducation.academy](mailto:myjofeedback@mseducation.academy), [www.myjoschool.com](http://www.myjoschool.com)

Mohammed Lateef Khan, Chairman,  
**MS Research Foundation.**

## Mind Mapping

Mind mapping is a technique invented by Tony Buzan in the 1970s. Mind Map is a powerful tool to remember information in our brains in an organised way. It holds information in a format that our minds find easy to recall and quick to review than the traditional notes taking.

### Why use Mind Mapping?

It is used to increase memory and understand concepts, ideas, key terms, and information. It is a process of using a visual map which contains a main idea that branches out into related and important information relating to that main topic.

### What can we use Mind Maps for?

- Summarising information.
- Taking notes.
- Consolidating information from different sources.
- Thinking through complex problems.
- Presenting information clearly.
- Studying and memorizing information.



### Who was Tony Buzan?

Anthony Peter Tony Buzan (1942-2019) was an English author and educational consultant. Buzan popularised the idea of mental literacy, radiant thinking, and a technique called mind mapping. He has authored and co-authored more than 80 books on memory, brain and thinking techniques.

### About Mohammed Lateef Khan

Passionate, humble and foresighted, Mr Khan is the Visionary behind the Quality Education Revolution in Hyderabad, India. He is the pioneer in integrating Modern and Islamic Education with academic excellence. He is an Electronics & Communication Engineer from Osmania University, Certified Senior TBLI (Tony Buzan Licensed Instructor) and an International Memory Trainer. He is a Visionary Entrepreneur, Positive Thinker, an able Administrator and a Good Decision Maker.

He gives Vision and Direction to many Organisations. Under his efficient leadership, MS Education Academy evolved into a group of traditional, innovative, integrated and competitive institutions serving Nursery to Degree College students in numerous branches reaching far-flung areas across India.

He believes in TEAM WORK and has developed a team of reliable professionals committed to the vision of the organisation and inculcated in them the spirit of Generative Thinking, Creativity, Positive Approach and Mind Mapping.

He has devised many innovative methods to help students excel in competitive exams and face real life challenges. He has also designed and introduced Memory Curriculum for Schools that helps students 'Learn How to Learn and Remember'. He is presently serving as the Chairman of MS Education Academy, India.

**MYJO** is a series of smart interactive books which aims to make learning joyful for the Gen-Alpha. It is prepared in consonance with the recommendations of NEP 2020 addressing all the domains of learning - physical, cognitive, socio-emotional for the mind-body connect. It adheres to the learning outcomes as envisioned in NCF 2022.

Thoughtfully designed, enjoyable and thought stimulating activities and experiments are the key elements of our curriculum. This equips learners with the future-ready skills and acme in the respective fields.

Value-integration is being the indispensable key element of our curriculum that aims for a holistic learning and developing responsible global citizens to overcome the challenges at personal and societal level.

### Warm up

It is an interactive way to generate interest among the learners pertaining to the lesson theme.

### Science through stories

It provides a great context to learn science by bridging the gap between theory and reality.

### STEAM Activities

These activities provides an exposure to multiple disciplines that allow learners to explore, question, research, discover, use tech, etc.

### HOTS

It includes challenging questions that emphasize students to learn and demonstrate creative, critical, problem-solving, reasoning skills, etc.

### Project time

It provides students with an opportunity for experiential learning that enables them to experience science by doing.

### SDG

Learning about these initiatives helps students develop insights to take up challenges that are local and global in nature.

## KEY FEATURES

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