



PRESENTS

An Exclusive
Teacher Training Session on

Understanding, Identifying & Developing Scientific Temperament

By: Dr. Tanu Kukreja Bhayana,
Associate Professor, Department of
Psychology, IILM University, Gurugram

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Feb 2, 04:00 pm IST



KNOWLEDGE AND AWARENESS MAPPING PLATFORM

KNOWLEDGE SESSION 2022: EPISODE 19

ORGANISED BY: KNOWLEDGE AND AWARENESS MAPPING PLATFORM

A KNOWLEDGE ALLIANCE OF



Date: 02nd February 2023

Topic: Understanding, Identifying & Developing Scientific Temperament

Organized For: Teachers

Category: Teacher Training

No. of Participants: 200+ teachers from different schools across India

Speakers/Presenters: By Dr. Tanu Kukreja Bhayana (Associate Professor, Department of Psychology, IILM University, Gurugram)

Overview:

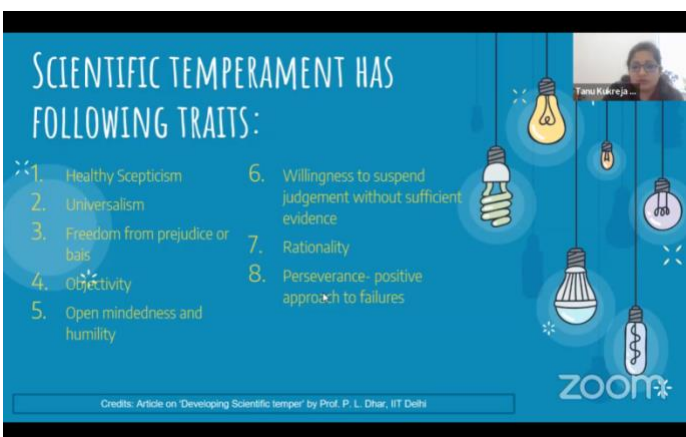
On February 2nd, KAMP conducted its 19th Special Knowledge Sharing Workshop on "Understanding, Identifying & Developing Scientific Temperament" on Thursday, 2nd February 2023 with 200+ teachers from different schools across India. The main aim of this workshop was to help teachers understand what scientific temperament is, how to identify it within their students and help them develop at an earlier age.



The session was convened by Ms Arika Mathur, a Member of the KAMP Planning & Monitoring Committee and was facilitated by Dr Tanu Kukreja Bhayana (Associate Professor of Psychology, School of Liberal Arts, IILM University, Gurugram)

In this workshop, Dr Tanu Kukreja Bhayana defined science as the systematic study of the

structure and behaviour of the physical and natural world through observation, experimentation, and the testing of theories against the evidence obtained. Whereas, Temperament being a person's or animal's nature, especially as it permanently affects their behaviour. E.g. being optimistic, short-tempered, calm, sociable etc.



Together, it is an attitude that enables an individual to perceive things in the light of facts and make better decisions in life. In order to

do so, it must be noted that one must seek the cause-and-effect relationship in everything and

not just the correlation between two things in order to analyze things much more efficiently, and most importantly in a much more scientific manner.

Now, if we look at the current competition in the job market, Scientific Temper has again been considered to be an essential tool for success. It allows us to use our learnings and apply them in a more practical manner.

In the global race, there is no doubt that individuals who can apply their theoretical knowledge to practical applications in the industry have a better chance of success in their personal as well as professional life.

So, It is also noteworthy that for any country to thrive, there is a need to inculcate scientific temperament within

the younger generation and enable them to think rationally in order to make better life choices. Especially in India, where we have more than 40% of individuals under 18 years of age. Thus, it becomes essential that parents and educationalists teach children the concept of decision-making based on a scientific approach.

If we look at our education system, it has long been following students to memorize and reproduce what has been taught to them or what is in their textbooks instead of encouraging them to question and seek out evidence that would guide them to an answer all by themselves.

WILLINGNESS TO SUSPEND JUDGEMENT WITHOUT SUFFICIENT EVIDENCE

Look for reliable evidence and humility and freedom from pride and arrogance, which comes from realization of limitations of our intellect and ever broadening horizons of knowledge.

Thus, the inculcation of Scientific Temper within higher education would more likely result in developing a better future for the nation. The use of Scientific temper allows students to comprehend what they are learning conveniently while applying their learnings in a more practical way.

Hence, It is the need of the hour that educators help students enable themselves and enhance their curiosity and their exploring nature, moreover making them motivated to self-learn and also enable them to seek the answers independently. They must allow students to ask questions and seek answers in a more

DEFINING SCIENCE AND TEMPERAMENT

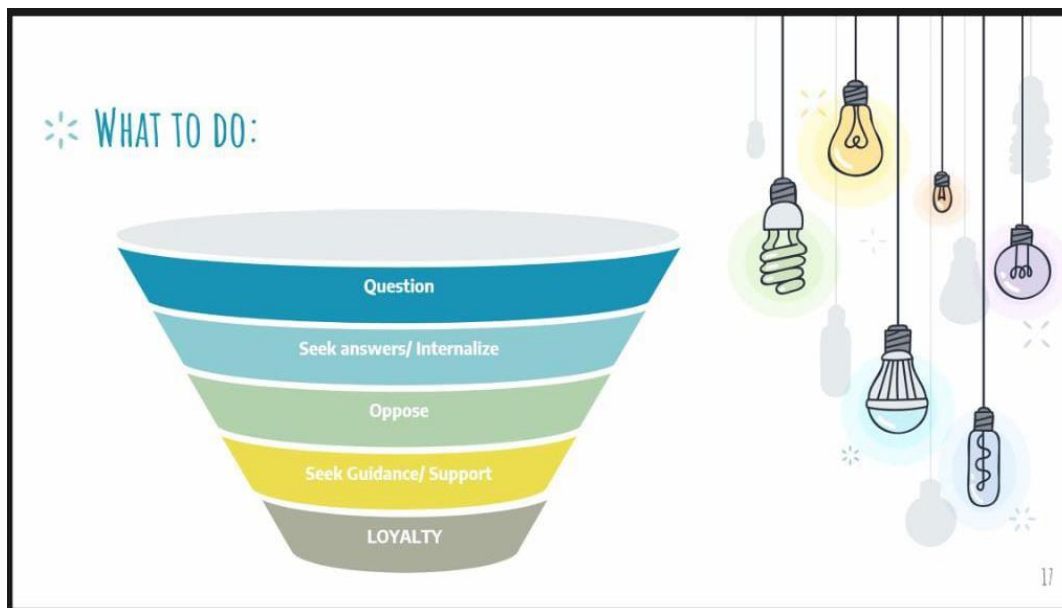
Science
The systematic study of the structure and behaviour of the physical and natural world through observation, experimentation, and the testing of theories against the evidence obtained.

Temperament
A person's or animal's nature, especially as it permanently affects their behaviour. E.g. being optimistic, short-tempered, calm, sociable etc.

Definitions are taken from Oxford languages and Google

practical manner. As well as be able to successfully provide them with an environment that enables their learning with respect to enhancing their scientific temperament also.

Towards the end of the workshop, Dr. Bhayana provided the teachers with multiple methods, through which they can help inculcate scientific temperament within their students.



About KAMP

KAMP, Knowledge and Awareness Mapping Platform, is an Initiative and Knowledge Alliance of the Council of Scientific & Industrial Research (CSIR) - National Institute of Science Communication and Policy Research (NIScPR) and industrial partner M/S Nysa Communications Pvt. Ltd. (NCPL). It intends to develop creativity, meaningful learning, critical reading and thinking skills that bring out the student's inherent abilities. The vision of KAMP is to identify and capture Scientific and Technological temperament in students to make India – a Global Leader in the field of Science, Technology and Humanities.

Organised By:

Knowledge and Awareness Mapping Platform
(KAMP Operations and Coordination Office)

Moderated By:

Ms. Arika Mathur
(Convener KAMP and Member KPMC)

Team Credits:

Mr Amit Kumar Shukla
(Head-Capacity Building Group, KAMP)

Ms Vishakha Gola
(Sr. Coordinator KAMP)