

Pen-Paper based Summer Camps

Learning by Questioning

- Students would learn thirty different ways of asking questions, to enable sense-making of curriculum topics
- Socratic Question Classification for Logical Thinking
- Guszak Question Classification for Reading Comprehension
- Shreiber Question Classification for perspectives/social context
- Blooms Question Classification for Conceptual Understanding
- Students would create 20-25 academic questions of their own, everyday, a total of 100-125 questions during the summer camp.
- The modules include passages on Steve Jobs, Richard Feynman, Socrates
- Students will learn how to comprehend a higher order text by asking questions

Testimonial from a student: I can now read books of the next level, when I didn't understand something I used to run around consulting people for help, but now I can ask questions and understand myself.

Testimonial from a Parent: I learnt by observing some of the session, if I learnt something new from it, imagine how impactful it is for the students

Polya Mathematics

- Students would learn four steps of problem solving explained by the greatest Mathematics teacher ever- George Polya (Understand the problem, Make a plan, Execute the plan, Learn)
- Students would also go through case studies which explain how these mathematics concepts can be extrapolated to real life scenarios.
- Students would be given age specific puzzles/problems to apply Polya Mathematics on them.
- Students would learn multiple heuristics (contextual hacks) for problem solving.
- Students would learn problem-reduction (transforming new problems to familiar problems)
- Mathematics isn't linear, when kids learn to design their own hacks/heuristics, they get confidence and they start solving higher order problems.

Testimonial from a Parent: "May be the original was to explain math concept, but when you bring psychology or economics and show how Math transcends pure math to a lot of different subjects, it helps kids in preparing for job market of tomorrow"

Language and Aesthetics

- Students would go through the content developed by Sciensation for organizing Literature Socratic Dialogue at The Hyderabad Literary Festival.
- Analysis Part One: What is Language? Students would go through a comparative study of different languages to analyze various features/functionality of languages.
- Analysis Part Two: What is Literature? What is the role of literature in evolving human thought and social revolutions? They shall study the interaction between language and literature.
- Analysis Part Three: What is Aesthetics? Can we define good/bad literature? Why would we want to do that? Can this notion of Aesthetics be extended to other disciplines?
- Synthesis Part One: Students shall use their understanding of Aesthetics in a Business context.
- Synthesis Part Two: Lateral connections between computer programming and literature?
- The programme helps students in developing interest in languages and language acquisition.
- Gives a new dimension to young writers, imparts them with a philosophical apparatus to critically evaluate perspectives and use abstract concepts to convey deep ideas.

Testimonial from a school: Students were really happy as they were allowed to speak their heart out, original ideas were given more credit and emphasis was more on understanding than on jargon.

Programme Framework

- All the summer camps are discussion/dialogue based.
- Students would be learning from peer perspectives besides moderator's case studies/questions.
- Each session is three hours long and students would get enough time to speak/share their ideas.
- Sciensation system helps students in opening up and sharing their thoughts.
- Sciensation helps students in building on their ideas and in connecting the dots.
- Students shall receive a workbook and they shall write down their ideas in the workbook.
- The competitions culminate in a competition on June 24th 2018 at Sciensation Studio, Road no 11, Banjara Hills. This is a team based competition.
- Sciensation competition reward points for questions and answers, interesting wrong answers receive more credit than the so-called correct answers.
- The Winners of the competition shall compete with college students in the second round.

Expected Learning Outcome

The participants shall understand why great professors spend an entire life-time on a few questions!