

Online Training in Science Classes 6 – 10 by Bharti Bhawan : A brief Report

Resource Person: Mr Jyoti Parruck

May 25, 2020

Class : VI

Participants: 88

Mr Jyoti Parruck initiated the programme named '**Hand's-On Science At Home**' under which he demonstrated experiments related to topics prescribed in the book for class 6.

There were teething troubles with the system compounded with late coming of teachers. Mr Parruck admitted and shared his unhappiness over this issue. He wanted teachers to try these experiments simultaneously. He had shared at 09:15 A M only a list of things for teachers to be ready with while attending the session. So, all teachers could not manage it well.

He covered **Classification of Mixtures, Fabrics and Adaptations**. He answered teachers' queries. He went on explaining even small things like sedimentation, decantation, etc.

He made science easy and interesting through his performance in the language easy to understand.

May 26, 2020

Class : VII

Participants: 88

It was better organised than yesterday. Mr Jyoti Parruck covered the following topics of class VII.

Food : Test of Fats and Starch

Autotrophic and heterotrophic nutrition

Heat – Activities related to expansion of solids and conduction

Light : Refraction and reflection. He made light visible with the help of laser.

Breathing : Finding lungs' capacity

He used very easily available materials like steel spoon, wax, match sticks, candles, straw, plastic bottle, dough, colored water etc. to demonstrate scientific principles.

May 27, 2020

Class : VIII

Participants: 102

It was 3rd day of online teachers' training programme by Mr. Jyoti Parruck of M/S Bharti Bhawan Publishers.

He covered the topics such as Micro-organisms , Chemical effect of electric current, Static Electricity and Light. he performed simple activities of electrolysis, electroplating by using easily available materials like copper and zinc plates, lemons, salts, red cabbage juice, battery etc. He also performed activity to show reflection of light using simple comb and torch. Last, he shown model of cell using simple materials like polythene bag (as vacoules), beaker as whole structure of cell, colored water as cytoplasm and grapes, groundnut shells, thread as cell organelles.

May 28, 2020

Class : IX

Participants: 138

Growth in the number of participants lends testimony to popularity of Mr Parruck's ways of teaching Science. Mr Parruck covered all three segments i e Phy, Chem & Bio in class 9.

He took up Microscopy, Structure of an Atom, Archimedes Principle. Seeing the beating heart inside an aquatic snail's egg was really fascinating. Equally interesting was to see plastids moving in an aquatic plant cell under a microscope. He showed Osmosis actually happening in an Onion Cell..

May 29, 2020

Class : X

Participants: 130

This was the last session in the series. Mr Parruck demonstrated and explained experiments from the chapters on: Electricity, Carbon Compounds and Genetics. He showed electric lamps working in series and parallel circuits; working of elctro magnets; pedigree analysis. He showed how bonding in Carbon Compounds can be demonstrated using paper clips and rubber bands.

It was remarkable to note that he performed almost all of experiments using inexpensive material available at home. Certainly students shall retain for a longer period of time the things learnt in this way. Teachers must have left these learning sessions more motivated and confident to excel in class.

Mr Jyoti Parruck's passion for teaching should have the effect of Midas touch on our teachers.

Gulshan Vohra