

Kothari International School, Noida

Session 2019-20

Field Trip to Ugrasen Ki Baoli and Jantar Mantar

Date: 24 October 2019

Subject Covered: Social Science

Learning Objectives:

1. Observing the make of ancient building structures
2. Discovering ways of water collection in age-old days
3. Understanding the importance of storing water
4. Knowing how time was measured with the help of sundials in old days when clocks and watches weren't invented

Subject Covered : Science

Learning Objectives

1. Understanding the causes of water scarcity and learning the possibilities to save water
2. Learning how a gnomon works to guess time
3. Learning about the movement of celestial bodies like the sun

Subject Covered : Language (English)

Learning Objectives

1. Recording observations and new learnings
2. Consistency in writing
3. Learning new words
4. Recalling and writing the experience of the trip

Report

Learning lies in going beyond our classrooms and exploring the world around. To drive the aforementioned learning objectives, Grade 7 students were taken on an educational field trip to Ugrasen ki Baoli and Jantar Mantar. They learnt about the significance, history and make of both places , and also how they were brought in use by the people of that time.

Ugrasen Ki Baoli

Students learnt that it is believed to have been constructed by the legendary king Ugrasen and was rebuilt between 13 and 14 centuries. It was used for bathing and agricultural purposes by the commoners of that era. However, with the baoli going dry now, students were made to ponder over the misuse of water and its scarcity in the bygone as well as present time. They were also sensitized towards the dire need of learning ways to save water.

Jantar-Mantar

Moving on to the relevance of Jantar-Mantar which was constructed by Maharaja Jai Singh II of Jaipur, students were apprised of its stupendous construction which includes an equinoctial sundial and a triangular gnomon. Students learnt that in age-old days time was measured with the help of a sundial that would cast shadow of the sun and therefore this shadow would enable people to estimate time. This trip indeed allowed students to understand that knowing time in old days wasn't as easy as just raising your wrist and glancing at your fancy and overly priced watches; people actually had to have a complete understanding of the movement of celestial bodies in order to calculate time.







