



**Brief Description (Objective):** The students will be able to accept that questioning is a great skill that helps us to tap into the power of our minds.

**Teaching Aids:** TRD

**Concept-Value Connection:**

- We ask questions to gather knowledge and information and also to identify reasons. Framing questions is important because the way a question is asked, gives a cue to the other person on how to answer it.
- In life too, questioning is an essential part of learning and discovery. Good questions are the key to better insights.

**Activity: Role-play**

**Characters:** Narrator, Father, Edwin

**Narrator:** Edwin's father gifts him a book on the World's Greatest Scientists and Inventors on his birthday. Edwin is excited to open the gift.

**Edwin:** (opens the gift) Wow! Thanks a lot Papa! This is the best gift I have ever got for my birthday. I love reading books about great scientists as I want to follow their footsteps and become a great scientist like them in future.

**Father:** (smiles) I appreciate your enthusiasm, Edwin. It is not enough if you just read these books. You should also develop in you the qualities exhibited by these renowned scientists and inventors. They all had keen observation, curiosity and above all the spirit of enquiry that made them famous. A questioning mindset is important to become a scientist.

**Edwin:** Can you give some examples Papa?

**Father:** Do you know how Newton came up with the Law of Gravity? Once when he was sitting in an orchard, deep in thought, he saw an apple falling on the ground near him. This made him question, "Why does the apple fall perpendicular to the ground and not sideways or upwards?" This question inspired his gravitational theory. Millions have seen an apple fall, but Newton was the one who asked 'Why?' Edwin, do you know who invented the Polaroid camera?

**Edwin:** Yes, yes. Edwin Land. I remember it because he has my first name.

**Father:** (smiles) Do you know what inspired him to develop the Polaroid instant camera? When he was on a vacation with his small daughter, he snapped a photo of her using a standard camera. The little girl wanted to see the picture right away, not understanding that the instant photo option was not available in a standard

camera. She asked, “Why do we have to wait for the picture?” This question directed Land towards developing the first Polaroid instant camera.

**Edwin:** Wow! I never realized that questioning may lead to unexpected discoveries and inventions.

**Father:** Questioning is important in every aspect of life, not only in science. It was the questions that Prince Siddhartha asked himself that transformed him into the Enlightened Gautam Buddha. What we know is a drop, what we don't know is an ocean. Like the great scientist Einstein says, '**The important thing is not to stop Questioning**'.

#### Points to Ponder/Reflect upon:

- ❖ Curiosity drives learning and makes us ask questions.
- ❖ A great question not only informs but also enlightens.
- ❖ Questioning enables you to think of new creative ideas.

Source: Self