

**KENDRIYA VIDYALAYA IIT CHENNAI**  
**SCIENCE HOLIDAY HOMEWORK (2015-16)**

**I. CHEMISTRY**

**1. PROJECT**

Prepare a natural indicator and check the nature of any 5 items used in your home. Attach photographs.

**2. ASSIGNMENT**

Role of Alloys in the field of medicine. (any ten) (parts of the body where the alloys are used and their chemical composition).

**II. PHYSICS**

**1. SELF COMPOSED ITEM**

Write about the energy production in Kalpakkam and Neyveli in terms of fuels used, advantages and disadvantages. Support with pictures.

**2. DIAGRAM**

Draw the main features of domestic electric circuit and explain the parts.

**III. BIOLOGY**

**1. SELF-COMPOSED**

Find out what are the human organs can be donated, age limit, organ banks in and around Chennai, phone no and Collect the data about the awareness of organ donation using a questionnaire in your locality.

**2. DISTINGUISH AND DIFFERENCE**

- a) Lymph and blood
- b) Artery, vein and capillary
- c) Aerobic and anaerobic respiration
- d) Breathing and Respiration
- e) Transport in xylem and phloem

### 3.MIND MAP

Functions of digestive system and its parts.

#### YOGA:-

Find the asanas which are helpful for the proper functioning of the digestive system, support it with your photographs.

**KENDRIYA VIDYALAYA, IIT CAMPUS, CHENNAI -36**  
**MATHS HOLIDAY HW – CLASS X**

Any Two:

1. *Pythagoras Theorem - different proofs*
2. *Generation of Pythagorean Triplets*
3. *Ramanujan Number - 1729*
4. *Magic Squares*
5. *Mayan system of Numbers*

**KENDRIYA VIDYALAYA, IIT CAMPUS, CHENNAI -36**  
**ENGLISH HHW – CLASS X**

1. Read a short story by Saki and write a review in about 250 words. (A4 sheet paper)
2. Prepare a mini scrap book on Organic food and its growing popularity. Highlight the health benefits related to the use of organic food. (A4 sheet paper as booklet)
3. Write slogans and prepare a poster on 'SAVE TIGER' (Quarter size chart)

**KENDRIYA VIDYALAYA, IIT CAMPUS, CHENNAI -36**  
**SOCIAL SCIENCE HHW – CLASS X**

**Project:**

**Disaster management – Natural disaster (Nepal Earthquake)**

**Activity:**

1. Collect data about Belgium and Srilanka and mark all places in the map of Belgium and Srilanka
2. Write about sustainable development
3. About all 3 sectors with pictures and write sector in advanced.

\*\*\*\*\*