

**THE DALY COLLEGE**  
**Holiday Homework – 2017-18**  
**Class – IX CIE**

**Summer Break Assignment**

**English**

DC/CIE/ENG/SUMMER HW/GRADE 9/      WORD LEVEL  
SENTENCE LEVEL      TEXT LEVEL

**1. Listening and Speaking**

Task a)

Watch this video:

(Chalk drawing scene- Mary Poppins)

<https://www.youtube.com/watch?v=zy7XEMeBROQ>

Simple, Compound and Complex sentences

-In your notebook, write FIVE of each (Simple, Complex, Compound sentences) related to travel.

Make sure each sentence has a Noun Phrase in it.      Task a) Two different settings

Watch the video and write a description of two different settings that you see in the video. Each description must have a word count of 80-100 words. There should be a liberal use of literary devices like alliteration, similes, metaphors, pun, personification etc.

Then, prepare a video of yourself narrating these descriptions. (You may choose to act like a Tourist guide). The video must not exceed 1 minute. You will be assessed on the written component, quality of narration (pronunciation and intonation) and fluency.

**2. Reading and Writing**

Task b) The Child Catcher-Chitty Chitty Bang Bang

<https://www.youtube.com/watch?v=8rdgKCTHmwl>

Synonym and Antonym of

1. Forbearance

2. Gentility

Find five other polysyllabic words (more than 2 syllables), from any of the two videos and write their synonym and antonym.      Task b)

Watch the video carefully (at least three times). Write a summary of this scene in your own words.

Remember that a summary is a brief account of the original text which includes the key points. Do ensure that you include the six-point 'wh' in your summary ( who, when, where, what, why, how ).

Word count: 100-120 words; 20 words per point/ Idea

**Physics**

1. Gigi has a cylindrical container of 5cm radius and contains water to a height of 8cm .
  - a. Help Gigi to find volume of the water .
  - b. A stone is lowered into the water so as to be completely covered and the water rises to a height of 10cm. What is the volume of the stone ?
2. Ana wants to measure length of an object which is predicted to be slightly less than 0.01cm .
  - a. Which laboratory apparatus is suitable for measuring this length accurately.
  - b. If 20<sup>th</sup> division of the circular scale coincides and it is 1.5mm reading on the shaft ; Find the length of the object.

### MATHS

#### 9th CIEMathematics project

Q1. Make a project on the contribution of great Mathematician Aryabhata on the approximation of pi ( $\pi$ ). (powerpoint/written)

Q2. Write in brief the use of prime numbers to generate RSA algorithm which helps in securing online transactions and encryption of data. (basics only)

Q3. Give at least two (max. four) real life situations where the concepts of HCF and LCM of numbers are used.

### BIOLOGY

Prepare a poster on classification of animals or plants. Also write the significance of classification.

### FRENCH

Q1. Écrivez un article sur le fast food . Aimez- vous le fast food ? Est-ce que vous pensez que fast food est bon pour la santé ? ( 130 mots )

Q2. À l'école qu'est - ce que vous aimez et qu'est ce que vous n'aimez pas ? Comment peut- on améliorer la vie au collège ? ( 130 mots )

### History

Topic: Focus tasks and source analysis related to **Depth Study, Germany** ( as discussed in the Class)

### CHEMISTRY

Note: 1. Follow the instructions given in each question.  
2. Assignment will be discussed in the class.

1. Draw 3D Charts on any one of the following topics: Fractional distillation, Chromatography, Sublimation, Evaporation, Separation funnel, Distillation, Interconversion of states of matter.
2. Prepare a power point presentation on any one of the following topic  
Structure and bonding, chemical changes or electricity and chemistry.  
i) the presentation is to be made by a group of three students.

ii) The presentation should be deposited in the CD along with the names and role No. of the students

3. Draw diagrams of Burette, measuring cylinder, pipette and volumetric flask in your chemistry note book

### Geography

#### CLASS IX CIE GEOGRAPHY HOLIDAY HOMEWORK

- A. Collect some information from the internet on the following case studies related to **"Population Dynamics"**
1. A country which is over- populated- its problems, its impacts, policies, impact of policies. One case study from MEDC and one from LEDC.
  2. A country which is under- populated: causes, problems and impacts. One case study from MEDC and one from LEDC.
  3. A country with aging population: problems, impact and Government initiatives.
- B. You have already done the case studies on migration in class VIII  
Please add the information in each case study according to the rubrics.
1. Trans- migration
  2. Forced migration/ involuntary migration
  3. Involuntary migration

### Hindi

ग्रीष्मावकाश गृहकार्य : हिंदी (2017-18)

कक्षा : 9 (सी.आई.ई.)

'अहा ज़िंदगी' (हिंदी पत्रिका) के मई तथा जून के अंक पढ़ें.

### Computer Science

**Subject: - ICT**

Create a PowerPoint presentation on the following topics

- Smart Phones.
- Artificial Intelligence
- Quantum Cryptography
- 3-D and Holographic Imaging.
- Virtual Reality

The work produced should be research based.

At least 3 to 4 slides per topic are required.

Proper matching of background and foreground color/graphics is required.

Slide transition / animation must be proper.

Email the presentation to your own email ID.

### ECONOMICS

ECONOMICS- IX CIE Holiday HW

Students of IX CIE : **prepare a case for a market economy and for a mixed economy.**

Identify any economy.

State the extent to which it is a mixed economy or a market economy. Consider what other information would have been useful to come to a decision.

The presentation ( PPT) made by a student will be followed by a class discussion.

**ART and DESIGN**

Select your topic for the coursework. Make 10 finished paintings/ drawings in any medium. Size should not be smaller than A2.