



**DELHI PUBLIC SCHOOL DAULATPUR,
HARIDWAR
CLASS-VII (Summer Vacation Homework)**

Subject	Home Work
English	<p>Read the novel Black Beauty – The Autobiography of a Horse by Anna Sewell during your summer vacations.</p> <p>☑ Note down the difficult words/phrases and find their meanings from the dictionary.</p> <p>☑ Write the summary of the novel in not more than 200 words. (<i>To summarise a story means to briefly describe what the main idea of the story is.</i>)</p> <p>☑ Present (record your video) a review of the novel in not more than two minutes. (<i>To review a book means to evaluate or express your opinion about the book based on its content, style, and merit.</i>)</p> <p>☑ Write an essay on the topic – How Will I Introduce South Korea to My Friends - in 150 to 300 words. The essay must be submitted in the form of a PDF file</p>
Science	<p>Air Pressure (Heat)- The data shows that most of the accidents on the Yamuna Expressway have been due to bursting of tyre. The nylon threads inside radial tyres heat up due to continued and faster driving for a longer period on expressway, tyres gets overheated because of the heat generated due to the friction between the tyre and the road, excessive cornering and frequent braking. This heat is absorbed by tyre and the air inside the tyre starts expanding due to heat. The average pressure limit of a tyre is 26-36 psi. When this pressure reaches beyond a limit which a tyre can hold, then it bursts. Old and worn-out tyres burst easily as compared to new tyres. Therefore the condition of tyres needs to be minutely checked to reduce the risk of overheating and bursting. Biggest car accident took place in India on Yamuna Expressway on 6th November 2013, in which 25 cars crashed. Tubeless tyres, are much better as compared to tube tyre because air escapes more slowly from the tubeless tyre, which giving the motorist enough time to bring the vehicle to a halt. Experts also recommend filling nitrogen in tyres for greater durability. Tyres filled with nitrogen need to be topped up only once in six months. The wheel alignment and balancing school also be checked regularly for even distribution of friction on all tyres. It is also a good idea to break the journey as travelling at consistently high speed takes a toll on the tyres.</p> <p>Answer the following questions:</p> <ol style="list-style-type: none">1. What leads to bursting of tyre on expressway?2. What are the precautionary measures that can be taken to safeguard yourself during long journey?3. What is friction? How friction leads to generation of heat in the tyre?4. Why air expands inside the tyre as we drive our vehicle? As an individual, how will you be able to assure the correct tyre pressure in your vehicle?
Social Science	<p>Q1. On an outline map of India locate and mark all the states with their capitals.</p> <p>Q2. Make a PPT or Project on the history of your school. You may take the following clues.</p> <ul style="list-style-type: none">• Trace the events from the time the idea of setting up the school came about.• Who were the founder of the school• What did the school building look like? What changes took place in the subsequent years?• Supplement of your information with sources. <p>Q3. Learn all the chapters which are taught.</p>

