

<b>NEW ERA HIGH SCHOOL, PANCHGANI</b>	
<b>CLASS – IX - PHYSICS ASSIGNMENT - II</b>	
<b>Unit</b>	<b>MOTION</b>
<b>Topics</b>	Acceleration, uniform acceleration and non-uniform acceleration, Retardation, graphical representation of motion, graphical derivation of 3 equations of motion
<b>Time Line</b>	Total: 1 week (4 <sup>th</sup> May to 9 <sup>th</sup> May, 2020)
<b>Objective</b>	To develop critical thinking, analysis and visual thinking (look around).
<b>Learning Outcomes</b>	Students will be able to define acceleration, graphical representation of motion, graphical derivation of 3 equations of motion,
<b>Transaction Methodology</b>	Transaction should proceed in the following manner- <i>Introduction of the topic</i> - PPT and Digital Content on Diksha App Open the Diksha App click on English Medium > Click on class 9>Under Science click on class 9 Science> Click on Lesson Motion> Watch video on explanation content class room teaching after watching video click on Explanation videos, please go through following videos. <ul style="list-style-type: none"> <li>• Physics motion part – 9 (acceleration)</li> <li>• Physics motion part – 12 (equations of motion)</li> </ul>
<b>Assessment of qualifying knowledge</b>	<p><b>1. Multiple Assessment Activity</b> After watching above mentioned video click on All&gt; Click on question bank and Click on very short answer questions and short answer questions and solve questions based on acceleration and equations of motion.</p> <p><b>2. Subject enrichment activity:</b></p> <ol style="list-style-type: none"> <li>1. What is acceleration and write its units.</li> <li>2. What is retardation</li> <li>3. A bus decreases its speed from 80 km/h in 5seconds, find the acceleration of the bus.</li> <li>4. A train starting from a railway station and moving with uniform acceleration attains a speed of 40 km/h in 10 minutes, find its acceleration.</li> <li>5. Draw the graph for uniform acceleration and constant speed.</li> </ol>
<b>Assignment Submission</b>	<ol style="list-style-type: none"> <li>1. Multiple Assessment Activity: solve very short answer questions and short answer questions from (Diksha App &gt; question bank) based on acceleration and equations of motion.</li> <li>2. Subject enrichment Activity: solve above mentioned 5 questions based on the concept of acceleration. Solved questions write on the ruled sheet/note book and their correct answer as a record for Multiple Assessment Students should scan in the PDF format and merge in sequence and e-mail on <a href="mailto:balaji.molugurvar@nehs.in">balaji.molugurvar@nehs.in</a> on or before 9<sup>th</sup> of May, 2020. For any queries you may contact me on 7780562313 The hard copy to be submitted as and when you report to the school. Please note the above activities are part of your Internal Assessment and is mandatory.</li> </ol>
<b>Resources</b>	1. Diksha App 2.Science Text Book

**Balaji (Secondary department)**