



ARMY PUBLIC SCHOOL,
CLEMENT TOWN, DEHRADUN
HOLIDAY HOMEWORK

AUTUMN BREAK
SESSION 2024-25

CLASS VIII



Date: 26/10/2024

To: Students and Parents

Subject: 3D Model Projects for Class VIII

Objective:

To encourage creativity and hands-on learning through the construction of 3D models, allowing students to explore various subjects while understanding key concepts in English, Hindi, Maths, Social Science, Science, and Sustainable Development Goals (SDGs).

Dear Students and Parents,

For the upcoming **Autumn Break**, which will be observed from **28 Oct to 2 Nov**, students are required to prepare one model as per the assigned roll numbers. Below are the details for each class:

Class VIII A - Maths (43 Students)

- **3D Geometric Shape City** – Roll No. 1-4
 - **Mathematical Garden** – Roll No. 5-8
 - **Volume and Surface Area Comparison Models** – Roll No. 9-12
 - **Rational Number Line in 3D** – Roll No. 13-16
 - **3D Probability Spinner** – Roll No. 17-20
 - **Algebraic Expression Cube** – Roll No. 21-24
 - **Symmetry Art Installation** – Roll No. 25-28
 - **3D Coordinate System Model** – Roll No. 29-32
 - **Pythagoras Theorem 3D Model** – Roll No. 33-36
 - **3D Fraction Tower** – Roll No. 37- 43
-

Class VIII B - Science (44 Students)

- **3D Model of the Human Heart** – Roll No. 1-5
- **Solar System Model** – Roll No. 6-9
- **Volcanic Eruption Model** – Roll No. 10-14

- **Water Cycle 3D Model** – Roll No. 15-19
 - **DNA Double Helix Model** – Roll No. 20-24
 - **3D Plant Cell Model** – Roll No. 25-29
 - **Magnetic Field Model** – Roll No. 30-34
 - **3D Respiratory System Model** – Roll No. 35-39
 - **Layers of the Earth Model** – Roll No. 40-44
-

Class VIII C – Hindi and Sanskrit (44 Students)

- **वर्णमाला विहंगम दृश्य (Hindi)** – Roll No. 1-4
 - **वाक्य संरचना प्रतिमा (Hindi)** – Roll No. 5-8
 - **संधि समन्वय (Hindi)** – Roll No. 9-12
 - **काल की गतिशीलता (Hindi)** – Roll No. 13-16
 - **वाक्यांश स्पंदन (Hindi)** – Roll No. 17-20
 - **वर्णमाला स्तम्भ (Sanskrit)** – Roll No. 21-24
 - **श्लोक मंडल (Sanskrit)** – Roll No. 25-28
 - **धातु रूप परिप्रेक्ष्य (Sanskrit)** – Roll No. 29-32
 - **संधि स्पेक्ट्रम (Sanskrit)** – Roll No. 33-37
 - **मुहावरा महिमा (Hindi)** – Roll No. 38-44
-

Class VIII D - English Project Model (47 Students)

- **Poetic Devices Showcase** – Roll No. 1 to 5
 - **Character Puppets** – Roll No. 6 to 10
 - **Story Timeline** – Roll No. 11 to 15
 - **3D Book Cover** – Roll No. 16 to 20
 - **Imagery Model** – Roll No. 21 to 25
 - **Parts of Speech Tree** – Roll No. 26 to 30
 - **Verb Tense Timeline** – Roll No. 31 to 35
 - **Dialogue Bubbles** – Roll No. 36 to 40
 - **Story Elements Cube** – Roll No. 41 to 47
-

Class VIII E – Computer and AI Project Model (42 Students)

- **Basic Computer Parts Model** – Roll No. 1 to 4
 - **Simple Algorithm Flowchart** – Roll No. 5 to 9
 - **Internet Connectivity Model** – Roll No. 10 to 14
 - **Basic AI Concepts Display** – Roll No. 15 to 19
 - **Computer Programming Language Chart** – Roll No. 20 to 24
 - **Binary Number System Model** – Roll No. 25 to 29
 - **Simple Robotics Model** – Roll No. 30 to 34
 - **Data Storage Model** – Roll No. 35 to 39
 - **Web Page Layout** – Roll No. 40 to 42
-

Class VIII F – NEP 2020 (40 Students)

- **Learning Ecosystem Model** – Roll No. 1 to 4
- **Skill Development Village** – Roll No. 5 to 9
- **Digital Classroom Setup** – Roll No. 10 to 14
- **Cultural Heritage Gallery** – Roll No. 15 to 19
- **Subject Integration Hub** – Roll No. 20 to 24
- **Flexible Learning Space** – Roll No. 25 to 29
- **Eco-Friendly School Model** – Roll No. 30 to 34
- **Student-Centric Learning Map** – Roll No. 35 to 40

Class VIII G – Ek Bharat Shrestha Bharat (40 Students)

- **Unity in Diversity Map** – Roll No. 1 to 5
- **Cultural Festival Showcase** – Roll No. 6 to 10
- **Traditional Dress Models** – Roll No. 11 to 15
- **Famous Indian Monuments** – Roll No. 16 to 20
- **Regional Cuisine Display** – Roll No. 21 to 25
- **National Symbols Diorama** – Roll No. 26 to 30
- **Languages of India Chart** – Roll No. 31 to 35
- **Indian Art and Craft Exhibit** – Roll No. 36 to 40

Submission Date: Roll No. 1 to 15 – 5/11/2024

Roll No. 16 to 30- 6/11/2024

Roll No. 31 onwards – 7/11/2024

Instructions:

- Please use eco-friendly materials. Models will be displayed after the holidays.
-

**Best regards,
APS Clement Town**