SUBJECT	HOMEWORK
ENGLISH	1) Do Reading section, Writing section and Grammar section of last five years Sample Question Papers (2016, 2017, 2018, 2019, 2020) issued by CBSE of English Language and Literature in your **English Grammar Notebook**. **FIRST FLIGHT :** 2) Recreate the story **'A Letter to God'** in your own words keeping yourself at the place of Lencho. You can take the liberty to mould the story according to you rather copying from the same text. **(150 words) (to be done in Literature notebook/ register)** 3) What is an autobiography? Study the autobiography of Mr Nelson Mandela and write the prominent features of his autobiography and do write the lesson we can learn from it (100 words). **(to be done on any sheet(s) available at home)** **APPLIED GRAMMAR :** 4) Do gap filling exercises in Applied Grammar under the heading Integrated exercises from **Question No. 6** to **Question No. 10**. 5) **SUBJECT ENRICHMENT ACTIVITY (SPEAKING SKILL):** Students are guided to prepare any one topic from the following for speaking skill. **(Time limit 2 to 3 minutes)** 1) Importance of sports and games 6) Generation gap 2) Pleasures of mountaineering 7) Variety is the spice of life 3) Modern fashion 8) Cowards die many a time before their death 4) Inside an examination hall 9) Adversity brings out the best in man 5) If I become a millionaire 10) Corona - a pandemic
HINDI	प्रश्न–1 अप्रैल और मई में करवाया गया पाठ्यक्रम याद कीजिए। प्रश्न–2 निम्न अभ्यास कार्य <u>व्याकरण की पुस्तक (व्याकरण प्रवाह)</u> में कीजिए : वाच्य (पृष्ठ संख्या 66, 67, 68, 69) प्रश्न–3 निम्न अभ्यास कार्य <u>व्याकरण की उत्तर पुस्तिका</u> में कीजिए : (1) अपठित गद्यांश 1–11 (पृष्ठ संख्या 21–26) (2) सी० बी० एस० ई० के 2016, 2017, 2018, 2019, 2020 के प्रश्न पत्र में से अपठित गद्यांश, वाच्य और पत्र–लेखन । प्रश्न–4 वाचन कौशल के अंतर्गत निम्न में से किसी एक विषय पर भाषण याद कीजिए। (समय सीमा 2–3 मिनट) (1) मीडिया का सामाजिक दायित्व (2) अनुशासित युवा शक्ति (3) वरिष्ठ नागरिकों की समस्याएँ (4) धर्मनिरपेक्ष–भारत में राजनीति का दुरूपयोग (5) समय का सदुपयोग प्रश्न–5 'कोरोना वायरस' विषय पर पोस्टर बनाइए। (घर पर उपलब्ध किसी भी शीट पर बनाइए)
MATHS	**NOTE: Question No. 1 to Question No. 4 are to be done in fair register.** Q1 Do all the questions of Unit- 2 and Unit-5 from the last 5 years (2016, 2017, 2018, 2019 and 2020) CBSE Sample Papers.

Q2 **Solve the following :**

a) Given that $\sqrt{2}$ is a zero of the cubic polynomial $f(x) = 6x^3 + \sqrt{2}x^2 - 10x - 4\sqrt{2}$, find its other two zeroes.

b) Find the value of K so that $x^2 + 2x + k$ is a factor $2x^4 + x^3 - 14x^2 + 5x + 6$.

c) What must be added to $f(x) = 4x^4 + 2x^3 - 2x^2 + x - 1$ so that the resulting polynomial is divisible by $g(x) = x^2 + 2x - 3$?

d) Find the zeroes of the polynomial $f(x) = x^3 - 5x^2 - 2x + 24$, if it is given that the product of its two zeroes is 12.

e) If the polynomial $6x^4 + 8x^3 + 17x^2 + 21x + 7$ is divided by another polynomial $3x^2 + 4x + 1$, the remainder comes out to be $ax + b$, find the value of a and b.

Q3 Do all examples of **Unit-2** and **Unit-5** of **NCERT Textbook.**

Q4 **(i)** Learn and Write the square and square roots from 2 to 35.

(ii) Revise Tables from 2 to 25, ½, 1.5 and 2.5.

Q5 **SUBJECT ENRICHMENT ACTIVITY (SEA): Learn and Write all the formulas related to Surface Area and Volume (Unit-13)**

(Cuboid, cube, cylinder, cone, sphere, hemisphere, frustum) on any sheet(s) available at your home.

SCIENCE

> **NOTE: Question No. 1 to Question No. 4 are to be done in fair notebook/ register.**

Q1 Do all the questions of Chapter-1 **(Chemical Reactions and Equations)** from the last 5-year CBSE Question Papers (2016, 2017, 2018, 2019 and 2020).

Q2 **Distinguish between the following :**

(a) Combination and Decomposition Reactions.

(b) Displacement and Double Displacement Reactions.

(c) Oxidation and Reduction Reactions.

Q3 **(i) Translate the following statements into chemical equations and balance them :**

(a) Hydrogen gas combines with nitrogen to form ammonia.

(b) Hydrogen sulphide gas burns in air to give water and sulphur dioxide.

(c) Barium chloride reacts with aluminium sulphate to give aluminium chloride and a precipitate of barium sulphate.

(d) Potassium sulphate reacts with water to give potassium hydroxide and hydrogen gas.

(e) Calcium carbonate on reaction with hydrochloric acid gives calcium chloride, water and carbon dioxide.

(ii) Balance the following chemical equations :

(a) $HNO_3 + Ca(OH)_2 \longrightarrow Ca(NO_3)_2 + H_2O$

(b) $NaOH + H_2SO_4 \longrightarrow Na_2SO_4 + H_2O$

(c) $NaCl + AgNO_3 \longrightarrow AgCl + NaNO_3$

(d) $Al + CuCl_2 \longrightarrow AlCl_3 + Cu$

(e) $Zn + AgNO_3 \longrightarrow Zn(NO_3)_2 + Ag$

(iii) Identify the oxidising and reducing agent in the following reactions :

(a) $Pb_3O_4 + 8\,HCl \longrightarrow 3\,PbCl_2 + Cl_2 + 4\,H_2O$

(b) $2\,Mg + O_2 \longrightarrow 2\,MgO$

(c) $CuSO_4 + Zn \longrightarrow Cu + ZnSO_4$

(d) $V_2O_5 + 5\,Ca \longrightarrow 2V + 5\,CaO$

(e) $3\,Fe + 4\,H_2O \longrightarrow Fe_3O_4 + 4\,H_2$

(f) $CuO + H_2 \longrightarrow Cu + H_2O$

(g) $4\,NH_3 + 5\,O_2 \longrightarrow 4\,NO + 6\,H_2O$

(h) $Fe_2O_3 + 3\,CO \longrightarrow 2\,Fe + 3\,CO_2$

(i) $H_2 + O_2 \longrightarrow 2\,H_2O$

(j) $H_2O + F_2 \longrightarrow HF + HOF$

	Q4 Read Chapter-15 (Our Environment) and solve all NCERT In-text and Exercise questions. **Q5** **SUBJECT ENRICHMENT ACTIVITY (SEA):** **Prepare a Project (on any sheet(s) available at your home)** on Chapter-16 **(Management of Natural Resources)**.
SOCIAL SCIENCE	**Q1** **Revise the following:** ✔ History : Chapter-2 (Nationalism in India) ✔ Geography : Chapter-1 (Resources and Development) ✔ Political Science : Chapter-1 (Power Sharing) ✔ Economics : Chapter-1 (Development) **Q2** Attempt all the questions from CBSE question Papers of the year 2016, 2017, 2018, 2019 and 2020 based on the syllabus done in the month of April and May. **Q3** **Prepare MIND MAPS for Chapter-2 (Nationalism in India) of History. Following Topics are to be covered: (to be done in fair notebook/ register of History)** **(a)** The idea of Satyagraha **(b)** The Rowlatt Act **(c)** The Non-Cooperation Movement in the Towns and the Countryside **(d)** The Salt March and the Civil Disobedience Movement **(e)** The Sense of Collective Belonging **Q4** **Write in detail about the following personalities:** **(a)** MAHARAJA HEMCHANDRA VIKRAMADITYA **(b)** LACHIT BORPHUKAN **(c)** RANA HAMMIR SINGH **(d)** RAMPYARI GURJAR AND HARVEER SINGH GULIA **(e)** MAHARAJA SUHELDEV **(f)** RANI NAIKI DEVI:THE GUJARATI QUEEN FROM GOA **(g)** CHHATRAPATI SHIVA JI **Q5** **SUBJECT ENRICHMENT ACTIVITY (SEA) : Prepare a Project on any of the following topics:** **(a)** Consumer Awareness **(b)** Social Issues **(c)** Sustainable Development **NOTE: 1) The Project should be handwritten by students themselves. The Project should not exceed more than ten pages.** **2) Prepare the Project on any sheet(s) available at your home.**
INFORMATION TECHNOLOGY	**NOTE: Attempt both the questions in your fair notebook/ register.** **ANSWER THE FOLLOWING QUESTIONS**: **Q1** **a)** What is accessibility or ease of access? **b)** What accessibility options would you set for: **(1)** Visually impaired people **(2)** Hearing impaired people **(3)** Motor skills impaired people **c)** What are the most popular topologies? Explain with well labelled diagrams.

Q2   a) Write the steps to create a blog on blogger.com website.

b) List some applications that offer Instant Messaging.

c) List some safety measures which you must take while online.

ART & CRAFT

Q1   Observe the given picture carefully. DRAW and SHADE the same picture on any sheet available at your home.

(A Village Woman)

Q2   Beautifully DRAW and COLOUR a poster on "SAVE WATER" on any sheet available at your home.