

# ST. KAREN'S SECONDARY SCHOOL

## Integrated Project for Summer Vacation (Session 2021-22)

Class -12<sup>th</sup>D

### **INSTRUCTIONS:**

1. Students are to prepare projects on different aspects related to the main topic.
2. Do the projects neatly and legibly in bio-sheets and compile all the projects in a stick file.
3. Write down your Name, Class and Section, Roll number along with Subject and Topic on bio sheets.
4. Date of submission of the project is - **latest by 1st June.**

**(The projects have to be uploaded in ecare to the respective subject teachers.)**

### ENGLISH CORE

Amid the ongoing COVID - 19 Pandemic, India has witnessed a massive surge in the number of cases.

Write a report on COVID - 19 Pandemic in India, its present scenario, its socio-economic impacts and the steps being taken by the Government to curb the spread of this deadly virus. (Word limit 450 – 500)

### PHYSICS

Principle and working of Pulse Oximeter.

### CHEMISTRY

How Alcoholic Disinfectants Affect Coronavirus Model Membranes: Membrane Fluidity, Permeability, and Disintegration.

### BIOLOGY

The COVID-19 pandemic: Biological evolution, treatment options and consequences.

### MATHEMATICS

Suggest the name of a Mathematician whose inventions/ theories can be useful in coping with the challenges due to COVID 19. Also state how those inventions / theories can be used / implemented.

### COMPUTER SCIENCE

Make a mini project on Indian Economy, Displaying its GDP, Unemployment Rate, Inflation Rate, Interest Rate, and Industry Output by Using Python Code. (During COVID-19)