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**ST. MARY'S ACADEMY**  
**SUMMER VACATION HOME WORK (2016)** ✓

**CLASS 10 CAMBRIDGE**

**ENGLISH:**

- Describe a scene from your bedroom window. Write it as if you see everything in front of you while writing.
- Write a story based on this sentence: "If only I had paid close attention to the important instructions."
- Write an opinion essay on the topic: "Should young children be allowed to make their own career choices?"

**MATHS:**

- **Syllabus D1:** Number sequence, perimeter and area of geometrical figures, volume and surface area, ratio rate and speed. Percentage, angle properties of polygons.
- **Syllabus D2:** Direct and Inverse proportion, Algebraic Manipulation, value and surface area.
- **Syllabus D3:** Chapters 1, 2 & 3
- Revision of these topics thoroughly and attempt 5 years past papers.

**PHYSICS:**

- Kinematic force, vectors, refraction of waves/ light/ sound.
  - Magnetism (all topics), Pressure, work energy and power.
1. Definition
  2. Formulae
  3. Past Papers 2002 – 2006 to be attempted and submitted after summer vacation of date given by school

**CHEMISTRY:**

- Revise 1) Atomic Structure    2) Periodic table    3) Bonding    4) Electrolysis
- 5) Acids Bases and salts    6) Energy changes    7) Speed of reaction
- 8) Redox & Reversible reactions (ammonia & Sulphuric acid)
- Solve 15 MCQS and 5 structured questions in each from past papers.



## ST. MARY'S ACADEMY SUMMER VACATION HOME WORK (2016)

### COMPUTER :

- Algorithm, Pseudo Code, Flowchart, Logical Error, Trace table related question from last 6 years paper. Also attempt Input, output, storage devices and sensor related question from 2009 to 2014 papers.

### BIOLOGY:

- Prepare for comprehensive test (August 2016) by solving and reviewing the past papers from year 2009 to year 2014

### ACCOUNTING:

- Revision of Chapter 1 to 17.

### BUSINESS STUDIES:

- Each student will be given a different assignment. They are supposed to submit the assignment on the following email address:

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### ECONOMICS:

- Each student will be given a different assignment based upon CIE past papers. The topics will be assigned in the class.

### ADD-MATHS:

- Revision of topic 1 to 13.
- Attempt the questions of these topics from the last 5 years past papers.

**NOTE:** Summer vacation homework will be submitted on 9<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> August 2016 from 9:00 am to 12:00 pm.

Have a Safe  
and Happy  
Summer!

Coordinator's Signature