ST. MARY'S ACADEMY
SUMMER HOLIDAYS HOMEWORK, 2014

CLASS: 9 CAMBRIDGE

SUBJECT:	HOMEWORK
ENG	• Carry out a research on any great traveler in history, as mentioned in your workbook unit Journeys. • Read a classic fiction. Summarize the 3rd and the 5th chapter in your own words. • Take three newspaper articles of about 300 – 500 words. Take out main points in the form of notes and write a summary paragraph on each article.
URDU	* During summer vacation, read two urdu story books or novels. Write a passage about the theme and the characters of each of the novels. • Write the synonyms, antonyms and idiomatic phrases used in those novels or story books. • In order to be aware of current affairs read urdu newspaper and other electronic media sources. • Write an article on "Meshaghal ki Ahmiyat"
ISLAMIYAT	1. Articles Of Faith 2. Pillars Of Islam Prayer,Fasting, Zakat And Hajj 3. Biography Of The Holy Prophet (Pbuh) (Early Life To His Death) 4. First Muslim Community, Revision Of All (A) And (B) Parts, Revision And Preparation Of All The Syllabus Done In Class 8 And 9. **Note: An Assignment Must Be Done On Relationships Of The Holy Prophet (Pbuh) With Others, (A) And (B) Parts.**
RELIGION	*Written task:Prepare (40) fill in the blanks from the book of Acts(Chap.1 ---20) *Make (25)short questions with their answers from the the book of Acts(Chap.1 ---20) *Write (4)long question answers from the the book of Acts(Chap.1 ---20) *Learning task: Learn all the above given work
P.STUDIES	**History:** * Re-write all 7 and 14 marks questions done on copies. **Georgraphy:** * Take out question relevant to Units 1 - 7 from past papers (2001-2013) and answer the questions on loose sheets keeping in view the marking scheme. It's a preparation for Exams.
MATHS	Mathematics Book 1: (Topics) 1. Perimeter and area of simple geometric figures. 2. Volume and surface area. 3. Angle properties of polygons 4. Algebraic equations and simple inequalities.5. Ratio, rate and speed. 6. Percentages Mathematics Book 2: (Topics) 1. Expansion and factorization of algebraic expression 2. Algebraic manipulation and formulae 3. Simultaneous linear equations 4. Volume and surface area. 5. Direct and indirect proportion 6. Pythagoras theorem Mathematics Book 3 (Topics) 1. Solutions of quadratic equations 2. Indices and standard form 3. Linear equations 4. Coordinate geometry **Note : All students are advised to revise these chapters thoroughly. After summer vacations first term exam will be held. Prepare for paper 1 and paper 2.**
ACC	• Define the following terms: Assets, Liabilities and Capital. • State the accounting equation. • State the effect of different term actions on accounting equation by using example. • State the replacement of stock with other words e.g. sales. • Make format of account using T-Account format and running balance method. • Prepare trial balance from given set of data.

SUBJECT:	HOMEWORK
B.ST	Attempt all the Questions. Q1: Define Factors of Production? Q2: What is scarcity? Q3: Explain "Opportunity Cost" and Give one Example of its Relevance to business? Q4: Identify the differences between a free market and a planned market Systems? Q5: All firms specialize to some extent. What benefits do they gain from it? Q6: Give Advantages and Disadvantages of: Free market System, Planned market system, Mixed Economy. Q7: Distinguish between Primary, Secondary and tertiary forms of Production? Q8: Explain the terms: 1. Cooperatives 2. Joint ventures 3. Franchising. Q9:Differentiate between : Limited Liability and unlimited liability? Sole proprietorship and partnership? Q10: what benefits could a sole trader gain by taking a partner? Q11: A public limited company is better or a private limited company, Justify? Q12: A number of state owned businesses have been sold to the Private sector. (Privatization). State and explain possible advantages and disadvantages? Q13: Explain the economic objectives of Government? Q14: What are direct and indirect taxes? Q15: How a government influences a business? Q16: Who are stake holders? Identify the stake holders of a business school?
ECO	Home work in the form of hard copy has been provided to the students. Topics include • Scarcity • Opportunity costs • Production Possibility Curve • Economic systems • Demand and supply • Elasticties of demand and supply • Elasticity of demand and total revenue • Elasticity of demand and indirect taxation.
ADD-MATHS	1. Matrices 2. Simultaneous equations 3. Indices, surds and logarithms Note : All students are advised to revise these chapters thoroughly. After summer vacations first term exam will be held. Prepare for paper 1 and paper 2.
COMP	Use past papers of computer science from 2009 to 2013. Using Ms-Word make 3 booklets of the question along with marking scheme answers under following Heading: *Number System: CAD/CAM Input/output *Flow Charts + Algorithm/Psendocode
PHY	1. Write experiments for (along with fair and labelled diagrams and graphs) a. Proving Hooke's Law. b. Determining density of an irregular shaped object. c. Determining value of acceleration of free fall. d. To prove laws of reflection of light. e. To mark upper and lower fixed points of mercury in glass thermometer. f. To prove that magnetic field lines of a magnet emerge from North pole of a magnet and are directed towards the South pole, on the outside of the magnet. 2. Design one MCQ and one long question from each chapter of the book of Physics. The question must not be copied from the books. You can design it from your own experiences of life.
CHEM	1. Prepare 50 multiple choice questions and 10 short question answers from each of the following chapters. i. Kinetic Particle Theory ii. Elements, Compounds and Mixtures iii. Atomic Structure iv. Ionic Bonding v. Covalent and Metallic Bonding vi. Writing Equations vii. The Mole viii. Chemical Calculations. 2. Learn the above mentioned chapters and prepare them in detail for the first term examination.
BIO	Read/Recall the read topic and practice following review/past papers (paper 1 & 2), and maintain in the form of a well arranged folder (hard copy). You require to read /recall all the topics studied in class 8 & 9. 1) 5090/02 MAY/JUNE 2006 4, 8, 1. 2) 5090/02 MAY/JUNE 2009 8, 6, 1. 3) 5090/02 OCT/NOV 2008 4, 3, 8. 4) 5090/22 OCT/NOV 2011 6, 8. 5) 5090/22 MAY/JUNE 2012 3, 8. 6) 5090/02 OCT/NOV 2003 7 7) 5090/02 OCT/NOV 2006 3, 2. 8) 5090/02 MAY/JUNE 2004 6 9) 5090/02 MAY/JUNE 2005 4, 3. 10) 5090/22 OCT/NOV 2012 6 11) 5090/02 OCT/NOV 2004 1 12) 5090/02 MAY/JUNE 2002 8, 4. 13) 5090/02 MAY/JUNE 2003 4 14) 5090/02 OCT/NOV 2005 5, 8, 2. 15) 5090/22 MAY/JUNE 2010 5 16) 5090/02 MAY/JUNE 2007 7, 3, 2. 17) 5090/02 OCT/NOV 2007 4 18) 5090/02 OCT/NOV 2009 3 19) 5090/02 OCT/NOV 2010 1