

2012-  
2013

# G12 Core Term1 Project

## *SAT Preparation Challenge*

This project covers the preparation of G12 students for the SAT exam which will be held on January 26 2013. The project is supposed to help the students to take part in the preparation process and to better understand the SAT exam structure.

**Due Date: Nov 10<sup>th</sup> 2012**



# Task1

The students should prepare 3 worksheet (SAT questions) according to the following criteria:

1. Students can work in pairs.
2. Each worksheet should contain 10 multiple choice questions where 5 answers are provided for each question (A,B,C,D ,and E) in which only one is correct (see attached format for worksheet)
3. The 10 questions in (1) should include the following :

**A. 4 questions covering the following topics:**

**Linear equations and inequalities, quadratic equations, radical equations, equations of lines, direct and inverse variations.**

**B. 4 questions covering the following topics:**

**Triangles, polygons and circles, parallel lines and angles, coordinate geometry and slope, similarity.**

**C. 2 questions covering the following topics:**

**Data interpretation, Statistics and probability.**

4. Students must submit a brief solution for every question an answer key with their worksheet.

Due Date	#
11 <sup>th</sup> Oct 12	Worksheet 1
25 <sup>th</sup> Oct 12	Worksheet 2
1 <sup>st</sup> Nov 12	Worksheet 3

# Task2

The students should use the SAT book (Cracking the SAT) according to the following criteria:

- The teacher will assign **one** practice test for every group to solve & present the solution.

## Part A

The students will solve the following parts of practice test 1:

1. Section 2 : questions 1 till 10 (pages 394 – 396)
2. Section 4 : questions 1 till 10 (pages 406 – 409)
3. Section 6 : questions 1 till 4 (pages 418-419) & questions 9 till 13 (pages 421-422)
4. Section 8 : questions 1 till 8 (pages 430 – 432).

## Part B

The students will solve the following parts of practice test 2:

1. Section 3 : questions 1 till 10 (pages 480 – 482)
2. Section 5 : questions 1 till 4 (pages 492 – 493) & questions 9 till 13 (pages 495-496)
3. Section 6 : questions 1 till 4 (pages 498-499) & questions 9 till 13 (pages 501-502)
4. Section 8 : questions 1 till 8 (pages 510 – 512).

## Part C

The students will solve the following parts of practice test 3:

1. Section 2 : questions 1 till 4 (pages 556 – 557) & questions 9 till 13 (pages 558 – 559)
2. Section 5 : questions 1 till 8 (pages 574 – 576) & questions 9 till 13 (pages 577 – 579)
3. Section 9 : questions 1 till 8 (pages 598 – 600).

## **Part D**

The students will solve the following parts of practice test 4:

1. Section 2 : questions 1 till 4 (pages 632 – 633) & questions 9 till 13 (pages 635 – 636)
2. Section 5 : questions 1 till 4 (pages 650 – 651) & questions 9 till 13 (pages 653 – 654)
3. Section 6 : questions 1 till 10 (pages 656 - 658)
4. Section 9 : questions 1 till 8 (pages 670 – 672).

# Submission

By the due date, the student should submit the following :

1. The worksheet together with a brief solution for each question and an answer key.
2. Every student will be asked to solve and explain a number of questions to her peers from the practice test that her group was responsible for.  
The above questions will be randomly selected by the teacher from the assigned questions.
3. 15 marks of the project will be allocated to this presentation.

Criteria					Points
	4	3	2	1	
<b>Completeness of Tasks</b>  <b>x 12.5</b>	Tasks are totally completed and correct.	Tasks are partially completed, OR Partially wrong.	Tasks are partially completed, AND Partially wrong.	Tasks are Attempted	—
<b>Integration of Technology</b>  <b>x 5</b>	Students used one mean of technology mastering this tool. The tool used helped the student and was useful to support his project	Student used a mean of technology but it was not that supportive to the topic.	-----	Student use of technology was primitive and way below the level of other IAT students	—
<b>Presentation and Explanation Skills</b>  <b>x 5</b>	Student was able to explain the work he/she submitted confidently and fluently. Student reflected a deep understanding of his/her work; she was able to answer all of colleagues and instructor's questions.	Student was able to explain the work he/she submitted confidently and fluently. Student reflected an understanding of his/her work; he/she was able to answer most of colleagues and instructor's questions.	Student was able to explain the work he/she submitted. Student reflected a shallow understanding of his/her work; she was able to answer some of colleagues and instructor's questions.	Student was unable to explain the work he/she submitted. Student reflected no understanding of his/her work; he/she was unable to answer any of colleagues and instructor's questions.	—
<b>Outstanding Tip</b>  <b>x 2.5</b>	Student had an outstanding addition in all aspects of his/ her project.	Student had an outstanding addition in some aspects of his/her project.	Student had an outstanding addition in very few aspects of his/her project.	Student had an outstanding addition in no aspects of his/her project.	—
This rubric is out of 100, percentage orientation.  <b>To make the mark out of 20 (Student's Mark/10*2)</b>				<b>Total—&gt;</b>	—