

## **SUMMER WORK - JUNE 2017 - FORM 4 - ECONOMICS**

a) Do a revision of all that has been covered in Form 4.

### **SUMMER WORK - JUNE 2017**

#### **FORM 4 - ACCOUNTS**

a) Revise all theory pertaining to F3 and F4 work.

b) Work out again the following past papers :

- April 2015 P2B No. 7
- May 2014 P2B No. 5
- May 2014 P2B No. 3
- April 2013 P2A No. 5
- School Past papers Mid-Yearly Form 4 – 2014, 2015, 2016

(Statement of Profit and Loss; Statement of Financial Position)

- May 2015 P2A No. 4
- May 2012 P2A No. 5
- May 2015 P2B No. 5
- May 2015 P2B No. 3
- May 2012 P2B No. 1
- May 2012 P2B No. 5
- April 2010 P2B No. 4
- April 2016 P2B No. 1
- April 2016 P2A No. 1
- May 2012 P2A No. 2
- May 2011 P2A No. 1
- May 2015 P2B No. 1
- May 2016 P2A No. 3
- May 2015 P2A No. 2

## EXTRA WORK G}AS-SAJF - {UNJU 2017 - FORM 4 - MALTI

**“Bejn }altejn” :**

**Ikteb anali letterarja ta’ madwar 200 kelma.**

### **Poeti**

‘Passa[[i’	p. 5
‘Quo Vadis’	p. 6
‘Niftakar’	p. 7
‘Katrín tal-Imdina’	p. 10
‘Jien’	p. 17
‘B’Idejna’	p. 19
‘Aqta’ Fjura u Ibni Kamra’	p. 20
“[ag]ug] ta’ Dejjem’	p. 22
‘Geraldine’	p. 26

### **“Siltiet”**

Il-Koranta	p. 37
Ix-Xini Imxi fl-Art	p. 45
Ittri lil Marta	p. 42
Jacqueline	p. 48
Firda minn Kelb	p. 51
Bank	p. 59

‘Il-Ħarsa ta Ru\an’ Kitba Lett. ta’ 400 kelma.

Il-kontinwitò minn ġenerazzjoni għal oħra hija tema għal qalb Ebejer. Iddiskuti kif Ebejer ittratta din it-tema.

### **“A`ess”**

<u>E\er`izzji :</u> P. 19 E\ 1	P. 25 E\ 3,4	P. 51 E\ 1,2
P. 24. E\ 2	P. 39 E\ 2	P. 64 E\ 1

*Jiktbu u jistudjaw l-g]axar forom tal-verb.*

### **“A`ess”**

<u>E\er`izzji :</u> P. 83 E\ 1,2	P. 118 E\ 1,2	P. 133 E\ 1
P. 87. E\ 3	P. 125 E\ 1	P. 139 E\ 1
154 E\ 1		P.

## **COACHING - JUNE 2017**

## **MATHEMATICS - FORM 4**

1. Factorisation; Simplifying expressions and solving of equations.

- (Simple or Quadratic), simultaneous equations and simplifying algebraic fractions.
2. Ratio and percentages Simple and Compound Interest, notes on Income Tax and credit problems, bank buys, bank sells, etc.
  3. Circle facts : including tangents and the alternate segment theorem
  4. Loci
  5. Probability
  6. Graphs : Linear and quadratic
  7. Areas and volumes of different shapes
  8. Trigonometry : solution of a right-angles triangle and the Pythagoras Theorem.
  9. Mean, mode median and range, reading/working out data from Frequency Tables, Bar charts and histograms.
  10. Transformations.
  11. Indices.
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1. Chapter 18, Chapter 20, Chapter 27, Chapter 34
  2. Chapter 9 and notes/handouts including examples given.
  3. Chapter 42
  4. Chapter 14
  5. Chapter 17
  6. Chapter 26
  7. Chapter 10, Chapter 25,
  8. Chapter 11
  9. Chapter 7, Chapter 15, Chapter 37
  10. Chapter 16
  11. Chapter 4, Chapter 39.

## **COACHING JUNE 2017**

### **ITALIAN - FORM 4**

REVISE / STUDY AND WORK OUT EXERCISES ON CULTURA NOTES FROM FORM ONE

STUDY ALL LISTS OF MODI DI DIRE

REVISE / STUDY WELL ALL TENSES FROM FORM ONE (REGULAR AND IRREGULAR VERBS) AND WORK OUT EXERCISES. (Not exercises which were done at school).

WATCH ITALIAN TV REGULARLY TO IMPROVE.

COMPOSIZIONE (150 WORDS). DO ALL OF THEM.

- CRONACA ROSA
- CRONACA NERA
- UN PROGRAMMA TELEVISIVO CHE HO SEGUITO REGOLARMENTE IN ESTATE E CHE RACCOMANDO A TUTTI (ora / canale / presentatore ...)
  
- SCRIVI UNA LETTERA ALLA TUA AMICA PER PROPORLE DI PASSARE UN FINE SETTIMANA INSIEME DURANTE LE VACANZE ESTIVE.
  
- RACCONTA UNA STORIA CHE FINISCE CON LA FRASE 'ED È STATO IL GIORNO PIÙ BRUTTO DELLA MIA VITA.'

WORK OUT AT LEAST 5 WRITTEN COMPREHENSIONS.

**COACHING - JUNE 2017**

**PHYSICS - FORM 4**

1. Forces
  - Hooke's Law
  - Moments – working with pivot at centre and pivot not at centre
  
2. Motion
  - Graphs of motion – interpretation and calculation of distance and acceleration / deceleration.
  
  - Equations of Motion.
  - Acceleration due to gravity
  - Newton's Laws of Motion – especially working with the 2<sup>nd</sup> Law
  - Momentum
  
3. Work, Energy and Power
  - Forms of energy
  - Energy transfer – working
  - Power
  
4. Pressure
  - working with  $p = F/A$
  - pressure in liquids and hydraulic machines
  - atmospheric pressure and the barometer
  - pressure in gasses

**Do not present pages of notes as your summer work. You must show evidence that you're working.**

**COACHING JUNE 2017 - FRENCH - FORM 4**

**Text book** : Le Mag'3 - Étapes 4-6  
Le Mag'4 Escales 0-3

**GRAMMAIRE:**

- Les pronoms possessifs et démonstratifs
- Le pronom COD 'en'
- Les adverbes en '-ment'

- La construction des verbes (avec `à` ou `de`)
- Les pronoms COI (`en` et `y`)
- La place des adjectifs
- Le superlatif
- Les pronoms relatifs : qui, que/qu` ; où ; dont
- Les adjectifs indéfinis
- La cause et la conséquence
- Le Discours Indirect
- La Voie Passive.

**Verbes** : Le Passé Composé vs L'Imparfait  
 Le futur simple  
 Le conditionnel present  
 Le Plus-Que-Parfait.

**VOCABULAIRE** : (check student`s notes)

- Le Mag 3 Etapes 4-6
- Le Mag 4 Escales 0 – 3
- Conseiller
- La description physique d'une personne
- Les émotions
- Exprimer un souhait
- La description de lieux.

### **CIVILISATION**

All handouts in Culture et Civilisation File

1. La Langue française
2. La francophonie
3. Langue et langage
4. Les médias en France
5. Des mots en couleurs
6. Des mots à plusieurs sens
7. Les habitudes françaises
8. Les saisons et les couleurs
9. Fêtes et traditions
10. Petits porte-bonheur.

**Tâche à Accomplir** : Revise all compositions.

### **DICTIONNAIRES**

### **COMPRÉHENSIONS DE L'ÉCRIT - COMPRÉHENSIONS DE L'ORAL**

Lectures (from Le Mag`3 and 4 and from the handouts).

## **SUMMER WORK 2017**

### **FORM 4**

## **ENVIRONMENTAL STUDIES**

**Students are expected to access online the Environmental work.**

### **SUMMER WORK 2017**

#### **EUROPEAN STUDIES – FORM 4**

To do the work given out below. Work shall be corrected at the beginning of the year.

Sacred Heart Annual Exam Paper 2017 (will be on Edmodo)

All students are also reminded to work on their SEC project (according to the title already chosen) during the summer months. A copy of this work is to be presented in October for review.

### **Form 4 - P.E. OPTION – 2017 EXTRA WORK**

#### **Theory**

- To re-do the **Mid-Yearly 2016** and **Annual June 2017 exam paper**.

- Upon returning the relevant compiled exam paper you shall be having an **oral test** from the same paper during your coaching session at school.

### **Practical Area**

- Choose the **weakest area** that you intend to **select** for your **Matsec practical**.
- Find a coach or club.
- Attend a **minimum of 12 sessions** by end of September
- Compile the table overleaf during your training sessions.

### **PRACTICAL AREA – SUMMER WORK SESSIONS**

<b>Student's Name:</b>	<b>Form:</b>
<b>Sport:</b>	<b>Club / Coach:</b>



**Kapitel 6:** Ausbildung und Karriere

**Kapitel 7:** Feste und Geschenke

**Kapitel 8:** Am Wochenende

**Kapitel 9:** Warenwelt

**Kapitel 10:** Kommunikation

**Kapitel 11 :** Unterwegs

**Kapitel 12 :** Reisen

**Grammatik:**

- Artikel (Nominativ , Akkusativ und Dativ):
  - *definiten Artikel*
  - *indefiniten Artikel*
  - *Negativartikel*
  - *Possesivartikel*
- Personalpronomen
- Verben Präsens :
  - *regelmäßige Verben (weak verbs)*
  - *Verben mit Vokalwechsel (e – ie ;a – ä; e – i)*
  - *haben / sein*
  - *trennbare Verben*
- Verben Perfekt
- Modal Verben (alle)
- Imperativ
- Verben Präteritum: haben und sein*
  - Präpositionen mit Akkusativ
  - Präpositionen mit Dativ
  - Lokale Präpositionen mit Akkusativ oder Dativ
  - Konjunktionen
  - Konjunktiv II: könnten, würden, sollten
  - Gefallen, gehören, passen, stehen
  - Werden
  - Nie, oft, immer, manchmal, selten
  - Reflexive Verben
  - Konjunktiv II: wäre, hätte, würde
  - Adjektivendungen (Nominativ, Akkusativ, Dativ)
  - Komparativ/Superlativ

**EXTRA WORK – JUNE 2017**

**FORM 4 – CHEMISTRY**

- Composition of air
- Combustion

- Rusting
- Pollution
- Ozone
- Oxygen and oxides
- Acids, bases and salts
- Moles
  - o Empirical and molecular formula
  - o Avogadro's number
  - o Calculations involving moles
- Hardness in water
- Redox
- Sulfur
  - o Sulfur dioxide
  - o Sulfuric acid
  - o Sulfates, hydrogen sulfates and sulfites
- Rates of reaction
- Electrolysis

**This work will be checked by the teacher at the beginning of the next scholastic year.**

**Extra Work June 2017**

**Form 4 English Language & Literature**

**Language Practice – Gateway B2+**

Complete the following exercises:

Unit 1 p. 8 exs. 2, 3, 4

Units 1 – 2 p. 31 ex. 2

Unit 3 p. 34 ex. 3 & p. 38 ex. 7

Unit 4 p. 46 exs. 2, 5 & p. 57 ex. 6

Unit 5 p. 60 exs. 2, 3, 5

Unit 6 p. 72 exs. 4, 5

Unit 7 p. 86 ex. 2

Unit 10 p. 124 exs. 2, 3

**Reading Comprehension – Gateway B2+**

Complete the following exercises:

Unit 5 pp. 62 – 63 exs. 2, 3 & 4

Unit 6 pp. 74 – 75 exs. 3 & 4

MATSEC May 2014 Paper 2A Passage 2

**Reading & Writing**

Choose any 2 books from the school's reading list. After reading both of them, write a book review of 320 – 350 words for each one. Revise Successful Writing Unit 12B

**Literature**

Re-read the following and review relevant notes:

The Boy in the Striped Pyjamas Chapters 1 – 10

Macbeth Acts I & II

All poems covered this scholastic year

# SUMMER WORK 2017

## FORM 4 - BIOLOGY

Revise during the summer months by completing the following tasks –

### 1. READING

Read about the units covered so far in Biology from your teacher's notes and your Biology textbook *GCSE Biology*. Write down your own short notes for every unit if you have not yet done so. Write the definitions for all important terms encountered so far in your study of Biology. Use the definitions provided in your teacher's notes.

### 2. DRAWINGS

Draw large, clear and well-labelled diagrams for each of the following –

- a. (i) Animal cell, (ii) plant cell, (iii) plasmolysed plant cell.
- b. Typical insect-pollinated flower.
- c. General structure of (i) a virus, (ii) a bacterium, (iii) a named plant-like protist, (iv) a pin-mould, (v) a bony fish.
- d. External leaf structure (with veins) in (i) monocots and (ii) dicots.
- e. Vertical section of a villus.

### 3. MATSEC PAST PAPERS

Work out the following questions –

May 2012 Paper 1 Questions 4, 6, 7, 9 and 10.

May 2015 Paper 2A Questions 1 and 2.