

<b>Discipline</b>	:	Mathématiques
<b>Langue</b>	:	Français
<b>Code</b>	:	B.MT. 001
<b>Public</b>	:	Enseignants de mathématiques aux cycles I & II
<b>Dates</b>	:	Trois jours : Vendredi : 7, 14 , 21 /11/ 08
<b>Lieu</b>	:	Baakline
<b>Horaires</b>	:	8h00 - 14h00

**Titre : « L'enseignement de la géométrie aux cycles I & II » :  
Corps solides, figures planes, mesure d'aires. {1-d1}**

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**Objectif**

S'approprier de nouvelles techniques dans l'enseignement de la géométrie.

**Descriptif**

L'objectif principal de l'enseignement de la géométrie, au cycle primaire, est de permettre aux élèves de se familiariser avec les objets du plan et de l'espace.

Les connaissances, qu'on va aborder dans ce stage, ont pour objectif de sensibiliser les stagiaires à l'organisation de vraies activités motivantes et adaptées au niveau des élèves et aux objectifs disciplinaires, concernant les corps solides et les figures planes.

- a- Origine de la géométrie et objectifs principaux de l'enseignement de la géométrie au cycle primaire.
- b- Partir de l'analyse des solides pour retrouver les figures planes.
- c- Développer des techniques de mesure pour les figures planes.
- d- Parler, lire, écrire en mathématiques.

Utiliser des stratégies pédagogiques définies pour mettre en œuvre une séance de géométrie

**Modalités**

- Travail Individuel
- Travail de groupes
- Séance en plénière
- Exposés
- Travail à deux
- Remue-méninges

**Remarques**

Prière d'apporter une boîte à outils ( instruments de géométrie) et des ciseaux

**Formateur :** Samia kfoury

<b>Discipline</b>	: Mathématiques
<b>Langue</b>	: Français- Arabe
<b>Code</b>	: B.MT.002
<b>Public</b>	: Enseignants des mathématiques au cycle 2
<b>Dates</b>	: Trois jours, Mercredi : 26 /11/ et 3, 17 /12/ 08
<b>Lieu</b>	: Ecole Normale Bir Hassan Beyrouth
<b>Horaires</b>	: 8h00 - 14h00

## **Titre : Opérations mentales en résolution de problèmes. {1-d1}**

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### **Objectif**

Elaborer des situations d'apprentissages permettant à l'élève de franchir les obstacles en mathématiques.

### **Descriptif**

« Le savoir se forme à partir des problèmes à résoudre » Gérard Vergnaud.

L'objectif de ce stage est de proposer aux enseignants des activités qui leur permettent : d'engager les élèves dans des problèmes de recherche, et des problèmes complexes, qui les passionnent et qui donnent du sens aux apprentissages mathématiques, et de leur proposer aussi des activités pour exercer des opérations mentales qui leur permettent de progresser.

- a. Ce qu'est un problème / une situation problème.
- b. De véritables problèmes pour de véritables recherches.
- c. Résolution de problèmes complexes et calcul mental.
- d. Analyse des réponses des élèves et définition des opérations mentales mises en jeu.

### **Modalités**

- Présentation
- Travail personnel
- Travail de groupes
- Mise en commun
- synthèse

### **Remarque**

Prière d'apporter le manuel de mathématiques de votre classe

**Formateur** : Samia Kfoury

<b>Discipline</b>	: Mathématiques
<b>Langue</b>	: Anglais- Français- Arabe
<b>Code</b>	: B.MT.004,
<b>Public</b>	: Enseignants des mathématiques
<b>Dates</b>	: Trois jours, Vendredi: 6, 13, 20 /2/ 09 (Cycle II)
<b>Lieu</b>	: Ecole Normale. Bir Hassan . Beyrouth.
<b>Dates</b>	: Trois jours, Mercredi : 1, 8, /4/ 09 et Vendredi 24 /4/ 09 ( Cycle I )
<b>Lieu</b>	: Ecole Normale. Bir Hassan. Beyrouth. Répétée
<b>Dates</b>	: Trois jours, Vendredi : 8, 15, 22 / 5/ 09 ( Cycles I & II )
<b>Lieu</b>	: Baakline. Répétée
<b>Horaires</b>	: 8h00 - 14h00

**Titre : Mes premiers pas avec les «TICE »**

**Intégration des « TICE » dans l'enseignement des mathématiques. {1- d2}**

### Objectif

Améliorer les pratiques de l'enseignement /apprentissage grâce à l'emploi des technologies de l'information et de la communication.

### Descriptif

La nécessité d'utiliser les TICE avec les élèves est devenue pressante.

Le plus difficile est souvent de faire le premier pas, puis évidemment d'enchaîner.

Dans ce stage nous allons commencer nos premiers pas, espérons qu'il sera utile à tous ceux qui veulent se lancer.

- a- Maîtriser les premières bases de la technologie informatique.
- b- Initier les stagiaires à l'utilisation de quelques logiciels mathématiques.
- c- Naviguer sur internet et se documenter.

### Modalités

- Exposés
- Travail individuel
- en dyade
- Travail de groupe
- en plénière

### Remarques

Prière d'apporter un Flash Memory USB.

**Formateur :** Samia kfoury

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1,C2.001
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days :Friday November 7 &14. . Friday, Nov. 14 <sup>th</sup> .,use of library
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

**Title: To be or not to be, this is the question . (a3a)**

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**Objective :**

Teachers will conquer the obstacles that they are faced with at the beginning of the academic year.

**Description :**

- a) Elements of a typical classroom .
- b) Elements involved in classroom management
- c) The first days decide how your ship relation wil be with your students throughout the year .
- d) How to work on your bulletin board .
- e) What if we don't have one?
- f) How can we use our students' effort in making our first days easier ?

**Structure of work :**

- Group work
- Cheklists and questionnaires
- Games
- activities

**Remarks :**

Teachers are asked to bring along any bulletin board activity tha they did .

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2.002
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days : Friday 21& 28 November . November 28 <sup>th</sup> computer lab.
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

**Title :**

**What are the different roles that a teacher plays ? (a3a)**

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**Objective :**

**Teachers will be able to define the different jobs that they are unconsciously doing**

**Description :**

- a) What's a lecturer ?
- b) What's a trainer ?
- c) What's a tutor?
- d) What's a teacher ?
- e) What's a facilitator?
- f) When are you playing each role in your teaching session ?
- g) The perfect session .

**Structure of work :**

- Group work
- Cheklists and questionnaires
- activities

**Remarks :**

Teachers are kindly requested to bring with them a brief plan about the last session they did

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2.003
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days, 5&19 December, Tue. Dec. 19 <sup>th</sup> computer lab.
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

**Title :**

**How do our students learn ? (a2a)**

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**Objective :**

Teachers will be introduced to different learning theories, in order to be able to cater to their students' different needs ,while preparing their lessons .

**Description :**

- a) Different learning styles questionnaires
- b) What makes a good learner?
- c) Let's learn something about learning .
- d) Multiple intelligence .
- e) Different learning theories .
- f) The six thinking hats .
- g) Operating on the computer to grasp the idea of the six thinking hats .

**Structure of work :**

- Questionnaires
- Teachers' lesson plan
- Group and individual work

**Remarks :**

Teachers are kindly requested to bring along their books

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2.004
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days: Friday 16 & 23 January.,Friday , Jan.23 <sup>rd</sup> , comp. lab.
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

**Title :what about the teachers' physical appearance?(a3a)**

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**Objective :**

Teachers will be aware of the different interaction opportunities they give to their students while explaining a lesson

**Description :**

- a) the verbal , vocal and visual ways of interaction with your students
- b) barriers affecting your teaching
- c) how to observe and define each of your students ?
- d) how to be a good instructor?
- e) how to give your feedback in an acceptable way ?

**Structure of work :**

- Group work
- Cheklists and questionnaires
- activities

**Remarks :**

Teachers are kindly requested to observe their latest session and to describe it in a paragraph

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2.005
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days:Friday,January 30 <sup>th</sup> &February 6 <sup>th</sup> , Friday , Feb.6 <sup>th</sup> , comp.lab.
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

**Title :**

**Methods in approaching your students in your math class in the second cycle(d2b)**

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**Objective :**

Teachers will be introduced to methods and approaches in students' learning process

**Description :**

- a) types of calssrooms you are involved in :
- i) the buzz group
  - ii) the inteactive group
  - iii) the workshops
  - iv) the experiential
  - v) video-based presentations
  - vi) problem solving classes

**Structure of work :**

- questionnaires
- group and individual work
- projects prepared in class

**Remarks :**

Teachers are kindly requested to write a small paragraph summarizing the activities they did with their students the last tsession before attending this workshop .

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2.006
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days:Friday,February13 & 20 .Friday, Feb.20 <sup>th</sup> ,comp.lab.,search on the net
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

### **Title : criteria for choosing a structure for your lesson plan (c3)**

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#### **Objective :**

Teachers will be introduced to factors affecting their lesson plan structure

#### **Description :**

- a) factors affecting your lesson plan are: the learner , the level , the structure
- b) what are the structures for your lesson plan ?
- c) what are some of the techniques you use to interact with your students ?
- d) how do you give your instructions to your students ?
- e) using the internet to get some of the lesson plans that might help you in your teaching

#### **Structure of work :**

- Group work
- Cheklists and questionnaires
- Games
- activities

#### **Remarks :**

Teachers are kindly asked to bring their books.

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2.007
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days ,Friday, 6 & 13 March, Friday March 13 <sup>th</sup> comp.lab.using the net.
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

### **Title : discipline problems? Not anymore (D1)**

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#### **Objective :**

Teachers will be introduced to different techniques to conquer discipline problems in their classes

#### **Description :**

- a) pointing out the different factors affecting the classroom atmosphere
- b) how to handle noisy students ?
- c) are there really students who don't want to learn ?
- d) what about the contract that the teacher signs with her students ?
- e) what's the importance of a good ship relation with your students ?
- f) are we torturing ourselves with the auto success imposed on us ?
- g) how can we handle critical situations when no parents are there to care ?

#### **Structure of work :**

- pair work discussion
- real life situation
- role models

#### **Remarks :**

Teachers are asked to bring along a sample of their work with their students

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2.OO8
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days, Friday, 20 & 27 March , Friday, March 27 <sup>th</sup> , library
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

**Title :**

**Language is no more a barrier in problem solving (d2b)**

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**Objective :**

Teachers will use stories in order to teach their students to summarize and write open ended questions

**Description :**

- a) why is Little Red Riding Hood always the victim?
- b) Can the three little pigs overcome the wolf ?
- c) What about the magic bean and the golden eggs? why did he have to steal the chicken ?
- d) Teachers will write their own stories based on famous tales to enhance their students' imagination in writing and solving problems

**Structure of work :**

- Group work
- Checklists and questionnaires
- activities

**Remarks :**

Teachers are asked to bring a story that they read with their students

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2 009
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days: Friday, 3& 24 April , Friday, April 24 <sup>th</sup> excel .
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

**Title : How do I know that the lesson was understood?(D3)**

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**Objective :**

.Teachers will be introduced to different ways to get direct feedback on their teaching .

**Description :**

- ⌘ How do you know if your students understood the lesson ?
- ⌘ Do we always have to make a test ?
- ⌘ Different types of evaluation .
- ⌘ What's the role of using group-work in evaluation?
- ⌘ Is the grade of the group a well – earned grade ?

**Structure of work :**

- Sample mini lessons given by the teachers and the best way to evaluate understanding among the students of a certain grade and at a certain time

**Remarks :**

Teachers are kindly asked to bring their books

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2.010
<b>Target-group</b>	:	Teachers of cycle2
<b>Dates</b>	:	Two days:Friday,8 & 15 May, Friday, May 15 <sup>th</sup> :word to write tests
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

**Title :All what we need in Microsoft office as math teachers (1D2B)**

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**Objective :**

- . To use word skills to write tests
- . To use excel skills to write grades and find averages
- . To use power point in simple presentations when needed

**Description :**

- a) To use the PCs to write tests using Microsoft Word
- b) To use Excel to write our grades and find the averages
- c) To use power point to do a simple presentation with simple effects as needed in the classrooms .
- d) To monitor the teachers' work and to let them design a simple presentation using the computer

**Structure of work :**

- Individual work using the personal computers

**Remarks :**

Minimum level in using the computers

**Trainer:** Hanan Shehab

<b>Subject matter</b>	:	Math
<b>Language</b>	:	English
<b>Code</b>	:	B.M.T.C1.C2.011
<b>Target-group</b>	:	Teachers of cycle2. grades 3 and 4
<b>Dates</b>	:	Two days: Friday, 22 & 29 May, Friday, May 29 <sup>th</sup> , library to discover games .
<b>Place</b>	:	Bir Hassan
<b>Time</b>	:	8h00 - 14h00

### **Title : Multiplication table ? no problem(C1)**

#### **Objective :**

Teachers will discover different techniques in teaching the multiplication table and the easy steps to make it stick in their students' minds

#### **Description :**

- ⌘ What are the pre – requisites to introduce the multiplication table .
- ⌘ The old and new trends in teaching multiplication .
- ⌘ Building the necessity of the multiplication table in the students' minds .
- ⌘ Where are we going to use it ?
- ⌘ The least common multiple problems ?
- ⌘ Why to learn multiplication if we are going to use calculators later on ?
- ⌘ What is the main objective of the new curriculum in comparison to the old one?
- ⌘ Use of games in teaching multiplication

#### **Structure of work :**

- Use of the curriculum
- Calculators
- Group and whole class discussion
- Working in parallel groups and then transferring the knowledge through the postman
- Games

#### **Remarks :**

Teachers are asked to bring multiplication songs and games if they have any .

**Trainer:** Hanan Shehab