Let’s go on a Maths Trail!

Gżira Primary | St. Clare College | 2013

The Council of Europe Gardens in Gżira (Ġnien Il-Kunsill tal-Ewropa)

- Here we are at the Council of Europe Gardens in Gżira.
- We must remember that this is a public garden, so we need to respect the people who are enjoying some quiet time in this garden.
- Please don’t shout or disturb people.
- We are going to walk through the garden and stop at different stations to answer some interesting Maths questions.

But before we start fill in the information below!

Name: ________________________________

Today’s date: ___________________________

Mark the date on the calendar below:

<table>
<thead>
<tr>
<th>April</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
<th>Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>29</td>
<td>30</td>
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</tbody>
</table>

How many days till the last day of the month? ________ days

We are starting the Maths Trail at ____________.

Show the time on the clock face.

We are now ready to start the Maths Trail. Enjoy!
Station 1: **Entrance**

1. What shapes are used to create the entrance to the garden?

2. What is the shape of the plant pots? Tick the correct answer.

   - **cylinder**
   - **cube**
   - **cuboid**

3. What is the height of one of the large doors?

   Tick the best answer.

   - 30 cm
   - 3 m
   - 30 m

4a. Look at this sign. Which date is shown?

4b. Which month of the year is shown?

   - the first
   - the tenth
   - the twelfth

4c. Mark the year on the timeline below.
4d. How many years have passed since the year shown?

   years

Station 2: Post Box

Let us walk to the left of the garden till we reach the post box.

5a. What shape does it have?

5b. How high is the post box?

50cm  □  1m  □  10m  □

5c. Look at the post collection times shown on the notice sign. Fill in the table below with the correct information.

<table>
<thead>
<tr>
<th>Day of the week</th>
<th>Post Collection</th>
<th>Last Collection Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>Yes ☑ No □</td>
<td>7:00pm</td>
</tr>
<tr>
<td>Friday</td>
<td>Yes □ No □</td>
<td></td>
</tr>
<tr>
<td>Saturday</td>
<td>Yes □ No □</td>
<td></td>
</tr>
<tr>
<td>Sunday</td>
<td>Yes □ No □</td>
<td></td>
</tr>
</tbody>
</table>

5d. On Saturday the post is collected till _____________pm. Show the time on the clock face below.
5e. Stand near the post box and look at the parked cars. Choose a car and copy the 3 numbers shown on its number plate.

_____ _____ _____

Write down:

5f. Ten more than this number?

5g. One hundred more than this number?

5h. The smallest number you can make using the same 3 digits.

5i. The largest number you can make using the same 3 digits.

Station 3: Central area

Let's walk to the central area of the garden. Below is the map of the central part of the gardens.

6a. How many soil areas are used to make the large circle? 

6b. Find $\frac{1}{2}$ of this number.

6c. Find $\frac{1}{4}$ of this number.
6d. Go round the large circle path and count the number of:

<table>
<thead>
<tr>
<th></th>
<th>odd or even?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden benches</td>
<td>odd □  even □</td>
</tr>
<tr>
<td>Trash bins</td>
<td>odd □  even □</td>
</tr>
<tr>
<td>Lamp Posts</td>
<td>odd □  even □</td>
</tr>
</tbody>
</table>

6e. Each lamp post has 2 lamp globes at the top.
What shape is the lamp globe?

- sphere □
- cube □
- cylinder □

6f. How many lamp globes are there around this area?

lamp globes □

Station 4: Fountain area

Let's walk to the fountain area.
Here we have a wooden bench.

7a. How many wooden beams are used to make a wooden bench? □

7b. How many wooden beams were used to make all the wooden benches around the fountain?
7c. Estimate and guess the number of children who can sit comfortably on 1 wooden bench.

7d. Now check it out and write down the number of pupils who can sit down on 1 bench.

☐ children

7e. How many benches do we need for all the children in our group to be seated?

☐ benches

Let’s look at this monument.

8a. Which month of the year is it showing?

☐

8b. Which year was this monument placed in the garden?

☐

8c. Mark the year on the timeline below.

☐

8d. How many years have passed? ☐ years
The monument is surrounded by an iron fence.

The length between one silver ball and the next is nearly 20 cm.

8e. What is the total length of one side of the iron fence?

Look at the lower silver balls.

8f. How many are there on one side of the iron fence?

8g. How many are there on all 4 sides of the iron fence?

Now let’s look at this monument.

9a. Copy the name and surname shown.

9b. Which is the fifth letter in his surname?

9c. Which is the birth year shown?
9d. Look at the **first digit**. What is its value? ____________________

9e. Look at the **second digit**. What is its value? ____________________

Here is the fountain.

10a. How many **sides** does the base shape have? ____________________

10b. Do you know the special name for this shape? ____________________

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Station 5: **Playing field**

Let's walk to the playing field area.

12a. Stand on a rubber tile. What is the shape of the tile? ____________________

12b. How many whole rubber tiles are there in one row? ____________________

12c. How many rows are there? ____________________

12d. How many rubber tiles are there altogether?

__________________________

Look at the pattern made with the tiles on the ground.

12e. What shape is the tile? ____________________
Find this sign near the playing field.

12f. What is the emergency number? ___ ___ ___

12g. Find half of this number. ____________

12h. Find double this number. ____________

Station 6: **Traffic Signs**

13a. What shape is the telephone booth?

- cylinder
- cuboid
- cube

Look at the traffic signs in front of you.

13b. What different shapes of traffic signs can you spot?

- circle
- octagon
- triangle
- rectangle

Station 7: **Right end of the garden**

Let us walk to the other side of the garden.

Here is a path made from stone slabs.

14a. Estimate how many stone slabs were used to create this path.

14b. Now count the real number of stone slabs used. stone slabs

**CONGRATS!**

You have successfully completed the Maths Trail. Well done!