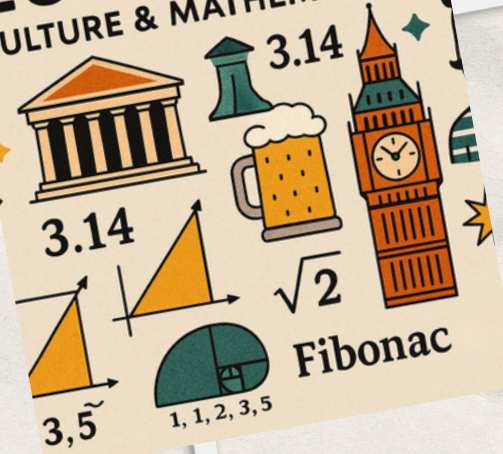


Collaborative Calendar



EUROPEAN CULTURE & MATHEMATICS





2026



01

JANUARY

S	M	T	W	T	F	S
					2	3
4	5	6	7	8	9	10
11	12	13	14	15		17
18	19	20	21	22	23	24
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Notes

- Schools in Turkey will be on mid-term break from January 17th to February 1st.

Uluçınar Primary School, Arsuz/Hatay (teacher Birgül Eroğlu)

Mangala is a Turkish intelligence and strategy game played by two people. The game board has 12 small pits, 6 on each side, and a large treasure pit for each player to collect their stones. Mangala is played with 48 stones. Players distribute the 48 stones, 4 in each pit. In the game, the 6 small pits side by side in front of each player are that player's region. The 6 small pits opposite are the opponent's region. Players try to accumulate the most stones in their treasure pits. At the end of the game, the player who collects the most stones wins the game set.



Ways to express Maths -
Through hopscotch,
children combine math
skills, coordination, and
fun all at once, in Elena
Cuza, Iași România
(teacher Cătălina Rusu)



FEBRUARY CARNIVAL

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Harlequin's Mask: A Geometry of Colors

Harlequin (Arlecchino) is one of the most famous characters from the Italian Commedia dell'Arte.

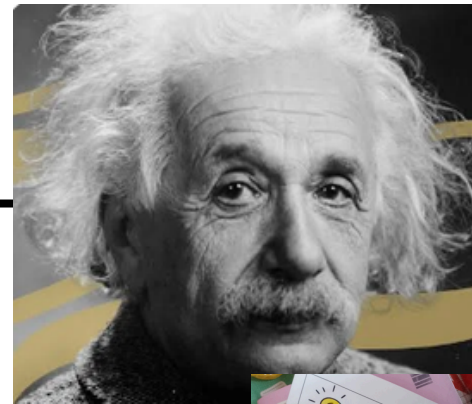
While he is known for his acrobatics and wit, his costume is a fascinating subject for math enthusiasts. The most striking feature of Harlequin's outfit is the **tessellation, made of rhombuses (often called diamonds)**.

Originally, Harlequin was a poor servant. His costume wasn't a perfect mathematical pattern; it was made of irregular scraps of fabric sewn together to mend his torn clothes. Over time, these random patches evolved into the stylized, colorful, and symmetrical diamond grid we recognize today.

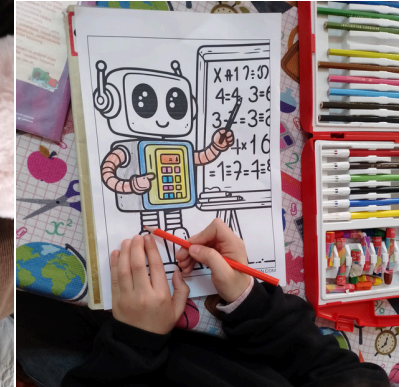
03

MARCH

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AE Caldas de Vizela,
Portugal



Notes

March 14th is International Mathematics Day, also known as Pi Day (π) due to the date's format (3/14) and the celebration of the mathematical constant. It is also Albert Einstein's birthday.

Main celebrations on March 14th: International Mathematics Day: UNESCO proclaimed this date to celebrate mathematics, its beauty and usefulness throughout the world, encouraging its teaching and popularization. Pi Day: This is a tribute to Pi, because in some countries the month is written first, followed by the day, 3/14 (the first digits of Pi, 3.14).

-International Maths Day(Fatma Çınkır - Şehit Gökmen Adıgüzel Primary School)

APRIL

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Notes

April 23rd National Sovereignty and Children's Day holds the distinction of being the first national holiday of the Republic of Turkey.

April 22nd is World Earth Day.



The Earth is a sphere. The Earth's volume is

$$V = \frac{4 \cdot \pi \cdot R^3}{3}$$

$$V = \frac{4}{3} \times \pi \times 63500^3$$

$$V = 1,07 \times 10^{12} \text{ km}^3$$

AE Caldas de Vizela, Portugal

05

MAY

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31
Notes

19 May: Youth, Sports and Mathematics

2026

MAY

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 **May Commemoration** of Atatürk, Youth and Sports Day

Cultural Insight

19 May 1919 marks the day when Mustafa Kemal Atatürk arrived in Samsun and ignited the Turkish War of Independence. Today, 19 May is celebrated as Youth and Sports Day to inspire young people to value sports, science, and their role in society through nationwide ceremonies and sports events.

"Science is the true guide in life."
Mustafakemal Atatürk

Mathematics & Sports Connection

Athletics

- Speed is calculated as $\text{Speed} = \frac{\text{Distance}}{\text{Time}}$.
- 100 meter races are won or lost by fractions of a second measured mathematically.



Mathematics & Sports Connection

Athletics

- Speed is calculated as $\text{Speed} = \frac{\text{Distance}}{\text{Time}}$. 100 meter races are won or lost by fractions of a second measured mathematically.

Ball Games

- Shot angles, pass distances, and ball trajectories involve geometry – strategic thinking.



JUNE

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Searching for mathematics in traditions

The ocean and the animals

Sergin Şahinoğullarıgil

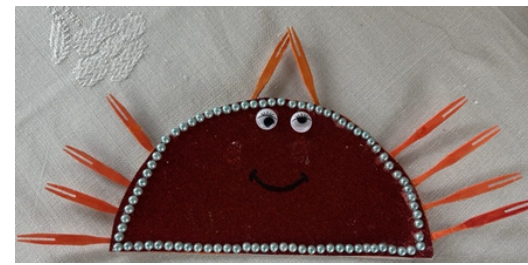
& Lina Santos

June 28 – Tau Day ($\tau = 2\pi$)

June 14 World Flag Day

June 10 World Art Nouveau Day

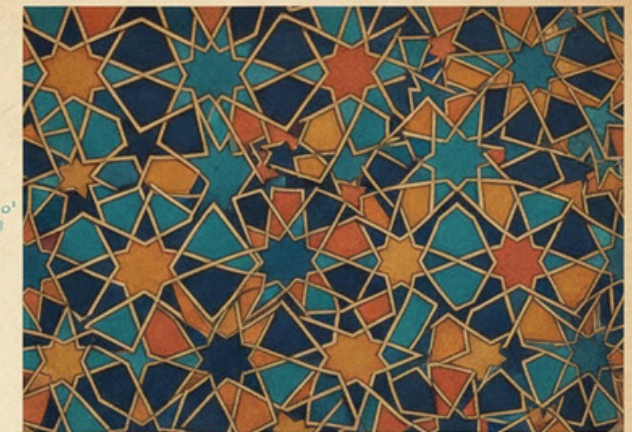
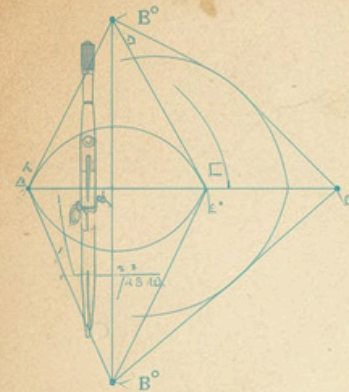
June 21 Summer Solstice



EB23 Caniço, Madeira Portugal (Teacher Lina Santos) Reproduction of some marine elements common on the island of Madeira using recyclable materials and mathematical shapes: crab, rockfish, turtle and black swordfish in origami.



1. Islamic Geometric Patterns (Girih Tiles)



2. Traditional Kilim Motifs (Anatolian Geometry)



07

JULY

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Notes

Croatia:

Mathematics in Tradition and Movement

Croatia blends tradition with mathematics in its cultural heritage, from intricate lace-making to lively circle dances.

Pag Lace (Paška čipka)

Geometric Patterns & Symmetry



Repeating Motifs



Symmetry & Tessellation



Rotational Symmetry



1/4 Section

Intricate lace made without a template, using geometric shapes and symmetry.

Kolo Dance

Circle Geometry & Angles



Divided Circle



12 Dancers

30°

Steps & Rotation



22.5° = 22.5°

Traditional Croatian circle dance with equal spacing and rhythmic steps.




Through the precise patterns of Pag lace and the circular movements of Kolo, Croatian culture reveals the beauty of mathematics in tradition.

08

AUGUST

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Notes

21st European Folklore Week in Madeira island at the end of August

With rounded forms and balanced symmetry, the Caniço dolls reflect mathematical beauty in folk art.



The Madeiran costume reflects mathematical beauty through repeating patterns and parallel stripes.-EB23 Caniço, Madeira-Portugal-teacher Maria Garapa



The typical houses of Santana are a calling card of our island, thanks to their unique construction.

The slope of their thatched roofs gives them a unique triangular shape. Other geometric shapes can easily be identified within them.

-EB23 Caniço, Madeira-Portugal-teacher Micaela Ferreira

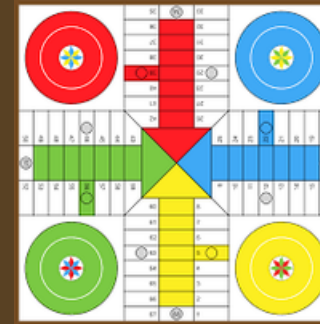
09

SEPTEMBER

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Notes

In Spain, the school year begins in mid-September. In Ponferrada, the patron saint festivities in honor of the Virgin of La Encina are held on September 8 and 9.



Parchis is a classic board game in which up to four players try to move their pieces around a cross-shaped track. The aim of the game is to move all your pieces from the start to the finish before the other players.



La Escoba is a simple card game that is very popular in Spain. Players must collect groups of cards that add up to a total score of 15.

10

OCTOBER

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Notes

Every year, the international community observes October 17 as the Day of Intangible Cultural Heritage, a moment dedicated to valuing and protecting the traditions, crafts, artistic expressions, and customs that define the cultural identity of peoples. (Teacher Cîtu Georgiana)



11

NOVEMBER

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Notes

23th November - Fibonacci Day

**-International Maths Day(Fatma Çinkır -
Şehit Gökmen Adıgüzel Primary School)**



12

DECEMBER

S	M	T	W	T	F	S
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27	28	29	30	31		

Rabanadas

Ingredientes

- 800 ml leite meio-gordo
- 100 g açúcar
- 1 casca de limão
- 2 paus de canela
- 8 fatias pão (duro)
- 3 ovos
- 500 ml óleo para fritar
- 2 colheres de sopa açúcar (p)
- 1 q.b. canela (para polvilhar)



ROSQUILHAS DE MANTEIGA

Ingredientes

- 500 g de farinha
- 150 g de açúcar
- 150 g de manteiga derretida (ou bem amolecida)
- 2 ovos
- 1 colher de chá de fermento em pó
- 1 pitada de sal
- 1 colher de sopa de aguardente (opcional, mas tradicional)
- Raspa de 1 limão (opcional)



♥ Bolo de Mel (Madeira) ♥

Ingredientes:

- Mel de cana, açúcar mascavado, manteiga, 2 ovos, farinha, leite + bicarbonato, canela e outras especiarias.

Preparação:

- Derrete mel, açúcar e manteiga.
- Junta os ovos, o leite com bicarbonato e depois a farinha e especiarias.
- Leva ao forno a 170 °C por 50-60 min.
- Fica melhor depois de alguns dias bem tapado.



BROAS DE AREIA

- 100 grs banha
- 250 grs manteiga
- 1/2 kg farinha
- 125 grs açúcar
- açúcar refinado para polvilhar

Juntar o açúcar com a banha e manteiga (derretidas) misturar bem.
Juntar a farinha aos poucos até obter a consistência desejada.
Vai ao forno durante mais ou menos 15/20 min.
Depois de frias polvilhar com o açúcar refinado.



RASPA DE LARANJA

- 1 COLHER DE CHÁ CRAVINHO 1
- COLHER DE CHÁ ANIS-ESTRELADO
- 1/2 COLHER DE CHÁ

НОВОГОДНИЙ ПЕЧЁНЫЕ VOLACHAS DE NATAL

- CARDAMOMO - 1/2 COLHER DE CHÁ, NOZ-MOSCADA - 1/2 COLHER DE CHÁ, PIMENTA BRANCA MOÍDA - 1/2 COLHER DE CHÁ, UMA PITADA DE SAL, MANTEIGA - 200 G, BICARBONATO DE SÓDIO - 1 COLHER DE CHÁ, OVOS - 3 UNIDADES, AÇÚCAR - 300 G, FARINHA - 720 G

