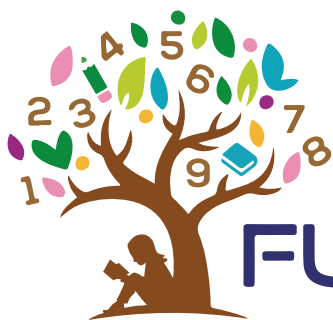




FUNDAPROMAT

Activity Archive  
2024





Panamanian Foundation for  
the Promotion of Mathematics

# FUNDAPROMAT

The Panamanian  
Foundation for the  
Promotion of Mathematics  
(FUNDAPROMAT) seeks to  
change the world's  
perception so that one and  
all can experience  
mathematics as  
accessible, relevant and  
inherently joyous.



(507) 6990-1458



(507) 306-3171



Office #6, Building 181,  
City of Knowledge, Panama City



info@fundapromat.org  
asistente@fundapromat.org



www.fundapromat.org

@fundapromat











Join our math outreach  
activities, which are free and  
open to the general public!

Visit our Calendar of Events at  
[fundapromat.org/  
en/events](https://fundapromat.org/en/events)

# INDEX

JANUARY 2024 .....	4
FEBRUARY 2024 .....	5
MARCH 2024 .....	7
APRIL 2024 .....	11
MAY 2024 .....	13
JUNE 2024 .....	16
JULY 2024 .....	19
AUGUST 2024 .....	22
SEPTEMBER 2024 .....	25
OCTOBER 2024 .....	28
NOVEMBER 2024 .....	32
DECEMBER 2024 .....	35

# JANUARY 2024

<p><b>21</b></p> <p>2:00 PM - 5:00 PM</p>		<p><b>Math Carnival in Casco Antiguo</b></p> <p>On Sunday, January 21st, 2024 from 2 pm until 5 pm we ran a Math Carnival in Casco Antiguo full of fun math activities for all ages. This free in-person event for the entire family highlighted the Panamanian female mathematicians Yandra Gonzalez, Kiara Barrios and Lorena Arias and took place at the Panama Canal Museum in Casco Antiguo, Panama City.</p> 
<p><b>26</b></p> <p>10:00 AM - 11:00 AM</p>	<p><b>Entrenamiento al Equipo de la Fundación JUPÁ</b></p> <p>El pasado viernes 26 de enero de 2024 realizamos un entrenamiento presencial de matemáticas recreativas al equipo de docentes de la Fundación Julia Panamé JUPÁ en su Centro Superate. Esta Fundación es una organización sin fines de lucro que educa y capacita a niños, jóvenes y adultos en desigualdad y riesgo social.</p> 	<p><b>Training Session for the JUPA Foundation</b></p> <p>On Friday, January 26th, 2024 we ran an in-person training session in recreational mathematics for a team of teachers of the Jewish Panamanian Foundation (JUPA) in their Superate Center. This Foundation is a non-profit organization that educates and trains kids, teenagers and adults in inequality and social risk.</p> 
<p><b>27</b></p> <p>10:00 AM - 12:00 PM</p>	<p><b>Fiesta Matemática en el Centro Superate en La Chorrera</b></p> <p>El pasado sábado 27 de enero de 2024 fuimos invitados a realizar una Fiesta Matemática para un grupo de jóvenes de 15 a 16 años de edad del Centro Superate en La Chorrera de la Fundación Alberto Motta.</p> 	<p><b>Math Party at the Superate Center in La Chorrera of the Alberto Motta Foundation</b></p> <p>On Saturday, January 27th, 2024 we were invited by the Alberto Motta Foundation to run a Math Party for a group of 15 to 16 year-old teenagers at the Superate Center in La Chorrera of the Alberto Motta Foundation.</p> 
<p><b>29</b></p> <p>1:30 PM - 3:00 PM</p>	<p><b>Taller en el Veranito de Felipe Motta</b></p> <p>El pasado lunes 29 de enero de 2024 realizamos un taller de matemáticas divertidas con origami en el Veranito de Felipe Motta para jóvenes de 13 a 17 años de edad en Tocumen Commercial Park.</p> 	<p><b>Origami Workshop at the Summer Camp of Felipe Motta</b></p> <p>On Monday, January 29th, 2024 we ran an origami workshop at the Summer Camp of Felipe Motta to 13 to 17 year-old teenagers, who are children of the employees of the company, in Tocumen Commercial Park.</p> 








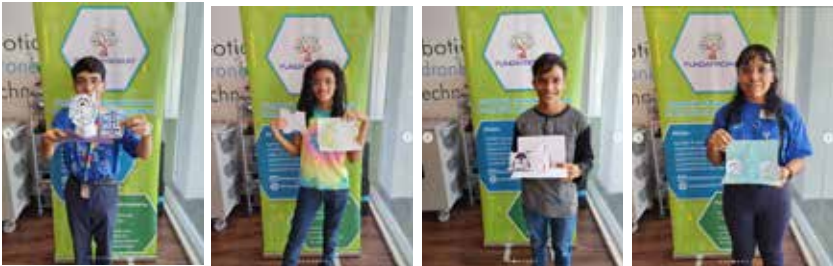
# FEBRUARY 2024

<p>1</p> <p>1:00 PM - 2:00 PM</p>	<p><b>Fiesta Matemática para la Fundación Espacio Creativo</b></p> 	<p><b>Math Party for the Creative Space Foundation</b></p> <p>On Thursday, February 1st, 2024 we were invited to run a Math Party for a group of 12 to 15 year-old teenagers of the Creative Space Foundation in Casco Antiguo, Panama City.</p> 
<p>2</p> <p>2:00 PM - 5:00 PM</p>	<p><b>BACK TO SCHOOL</b></p> 	<p><b>FUNDAPROMAT Stand in the Children's Fair "Back to School" at the Super Center El Dorado</b></p> <p>On Friday, February 2nd, 2024 we were invited to have a stand from 2 pm until 5 pm in the Children's Fair "Back to School" at the Super Center El Dorado with fun math activities. This in-person event took place at the Central Plaza of the Super Center El Dorado, Panama City.</p> 
<p>3</p> <p>10:00 AM - 11:30 PM</p>	<p><b>JOLGORIO MATEMÁTICO</b></p> 	<p><b>Math Jamboree #101</b></p> <p>The Math Jamboree #101 took place on Saturday, February 3rd, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #101, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «<a href="#">Willy Wonka's Factory</a>» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Marleny Vargas for designing this activity for FUNDAPROMAT.</p> 
<p>3</p> <p>10:00 AM - 12:00 PM</p>	<p><b>Fiesta Matemática en el Centro Súperate en San Miguelito</b></p> 	<p><b>Math Party at the Superate Center in San Miguelito of the Alberto Motta Foundation</b></p> <p>On Saturday, February 3rd, 2024 we were invited by the Alberto Motta Foundation to run a Math Party for a group of 15 to 18 year-old teenagers at the Superate Center in San Miguelito of the Alberto Motta Foundation.</p> 



# FEBRUARY 2024

<p>6</p> <p>10:00 AM - 12:00 PM</p>	<p><b>Mini Fiesta Matemática para Morgan &amp; Morgan</b></p> 	<p><b>Mini Math Party for Morgan &amp; Morgan</b></p> <p>On Tuesday, February 6th, 2024 we were invited to run a Mini Math Party for a group of 5 to 9 year-old kids, who are children of the employees of Morgan &amp; Morgan and related companies.</p> 
<p>8</p> <p>5:00 PM - 6:00 PM</p>	<p><b>Viajes Más Cortos con las Matemáticas</b></p> 	<p><b>Webinar on Shorter Trips with Mathematics</b></p> <p>The Webinar on Shorter Trips with Mathematics took place on Thursday, February 8th, 2024 from 5 pm until 6 pm, with Yasmin Rios Solis, Professor of Mathematics at the Engineering and Science School of the Monterrey Institute of Technology in Mexico, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker started the virtual event by explaining what the problem of the travelling salesman is and what is known so far about this algorithmic problem that is focused on optimization. Yasmin Rios Solis also shared how this math problem is related to urban transportation planning, agriculture, manufacture, among other applications. The speaker also highlighted the importance of knowledge in mathematics and programming to solve everyday situations. This virtual event was co-organized with the Mexican Mathematical Society (SMM).</p> 
<p>10</p> <p>10:00 AM - 11:00 AM</p>	<p><b>CLASE DE ORIGAMI</b></p> 	<p><b>Virtual Origami Class #107</b></p> <p>The Virtual Origami Class #107 took place on Saturday, February 10th, 2024 from 10 am until 11 am, with the origami artist David Medina as our invited speaker. This virtual event was free and open to the general public.</p> <p>For this class, participants needed one 15 cm x 15 cm paper square and colored markers. David Medina then taught how to fold a heart bookmark, which is a traditional origami model. This origami design is appropriate for 8-year-olds and above. This webinar was our first Virtual Origami Class of 2024.</p> 
<p>15</p> <p>5:00 PM - 6:00 PM</p>	<p><b>A NEW DAY: WORKING THROUGH MATHEMATICAL TRAUMAS</b></p> 	<p><b>Thirty-Third Math Webinar in English</b></p> <p>The thirty-third Math Webinar in English took place on Thursday, February 15th, 2024 from 5 pm until 6 pm with Geillan Aly, Founder of Compassionate Math, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this thirty-third Math Webinar in English, Geillan Aly presented on “A New Day: Working Through Mathematical Traumas”. The speaker explained how past math experiences can result in people feeling that they are not good at math. Geillan Aly gave the participants the opportunity to explore and reflect on their feelings towards mathematics. The speaker highlighted the following main messages: 1. We are not alone, 2. Our past experiences are most likely not tied to us as individuals but are a result of sociohistorical forces. Geillan Aly then encouraged participants to analyze their personal relationship with mathematics and reorient it based on what they had discovered. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 







# FEBRUARY - MARCH 2024

<p>17</p> <p>10:00 AM - 12:00 PM</p>	 <p><b>Fiesta Matemática en el Centro Superate en Colón</b></p> <p>El pasado sábado 17 de febrero de 2024 fuimos invitados a realizar una Fiesta Matemática para un grupo de jóvenes de 14 a 16 años de edad del Centro Superate en Colón de la Fundación Alberto Motta.</p>	<p><b>Math Party at the Superate Center in Colon of the Alberto Motta Foundation</b></p> <p>On Saturday, February 17th, 2024 we were invited by the Alberto Motta Foundation to run a Math Party for a group of 14 to 16 year-old teenagers at the Superate Center in Colon of the Alberto Motta Foundation.</p> 
<p>19</p> <p>10:00 AM - 11:00 AM</p>	 <p><b>Entrenamiento en el Seminario de Capacitación Docente de la Fundación JUPA</b></p> <p>El pasado lunes 19 de febrero de 2024 fuimos invitados a realizar un entrenamiento presencial de matemáticas recreativas en el Seminario de Capacitación Docente organizado por la Fundación Judía Panameña (JUPA) y auspiciado por el Ministerio de Educación (MEDUCA).</p>	<p><b>Training Session in the Teacher Development Seminar of the JUPA Foundation</b></p> <p>On Monday, February 19th, 2024 we were invited to run an in-person training session in recreational mathematics in the Teacher Development Seminar organized by the Jewish Panamanian Foundation (JUPA) and endorsed by the Ministry of Education (MEDUCA) of Panama.</p> 
<p>28</p> <p>6:00 PM - 7:00 PM</p>	 <p><b>TALLER DE Kirigami</b></p> <p>Para mayores de 12 años</p> <p>Miércoles 28 de Febrero 6 - 7 PM</p> <p>Regístrate en <a href="https://bit.ly/eventosengpac">bit.ly/eventosengpac</a></p>	<p><b>Kirigami Workshop at the Panama American Center</b></p> <p>On Wednesday, February 28th, 2024 we were invited by the United States Embassy in Panama to run a kirigami workshop aimed at 12 year olds and above at the Panama American Center in La Plaza of the City of Knowledge, Panama City.</p> 
<p>1</p> <p>2:00 PM - 3:00 PM</p>	 <p><b>TALLER DE Kirigami</b></p> <p>2:00 PM - 3:00 PM</p> <p>VIERNES 01 DE MARZO</p> <p>GRATIS</p> <p>NIÑAS Y NIÑOS DE 12 AÑOS HASTA 17 AÑOS</p> <p>+507 6948-7003</p> <p>BOX MENTES BRILLANTES, PISO 1, ROYAL BLUE PLAZA, SAN FRANCISCO</p>	<p><b>Kirigami Workshop for the Brilliant Minds Foundation</b></p> <p>On Friday, March 1st, 2024 we were invited by the Brilliant Minds Foundation to run a kirigami workshop aimed at 12 to 17 year-old teenagers at the Brilliant Minds Clubhouse Corner, 1st Floor, Royal Blue Plaza, San Francisco, Panama City.</p> 

# MARCH 2024

<p>2</p> <p>10:00 AM - 11:30 AM</p>		<p><b>Math Jamboree #102</b></p> <p>The Math Jamboree #102 took place on Saturday, March 2nd, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #102, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «Snail» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Jeanette Shakalli, Rafa Oliver and Tiago Hirth for designing this activity for FUNDAPROMAT.</p> 
<p>7</p> <p>5:00 PM - 6:00 PM</p>		<p><b>Webinar on Geometry and Soccer</b></p> <p>The Webinar on Geometry and Soccer took place on Thursday, March 7th, 2024 from 5 pm until 6 pm, with Melissa Castillo Medrano, Deputy Chief of the area of Mathematics of the Newton School and teacher of the Education Department at the Peruvian University of Applied Sciences in Peru, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker started the virtual event by explaining what regular polygons and regular polyhedra are. Melissa Castillo Medrano then mentioned that a traditional soccer ball has 12 pentagons and 20 hexagons, that is it has 32 faces in total. The speaker also presented Euler's Theorem and described how we can construct our own soccer ball, which is a truncated icosahedron. This virtual event was co-organized with the Peruvian Association of Research in Math Education (APINEMA).</p> 
<p>9</p> <p>10:00 AM - 11:00 AM</p>		<p><b>Kirigami Workshop for FAS Panama</b></p> <p>On Saturday, March 9th, 2024 we were invited by the Social Action Foundation (FAS Panama) to run a kirigami workshop aimed at 12 year olds and above at FAS Panama, Local 216, City of Knowledge, Panama City.</p> 
<p>12</p> <p>11:00 AM - 12:00 PM</p>		<p><b>Math in Disney and Pixar Movies in Veraguas</b></p> <p>On Tuesday, March 12th, 2024 the keynote speech “Math in Disney and Pixar Movies” took place from 11 am until 12 pm at the Stanford Hill Library, University Extension of Veraguas, Specialized University of the Americas (UDELAS). This free in-person event for the entire family was given by our international speaker Michael Dorff from the United States, as part of the celebration of the International Day of Mathematics.</p> 






# MARCH 2024

<p>13</p> <p>11:00 AM - 12:00 PM</p>		<h3>Math in Disney and Pixar Movies in West Panama</h3> <p>On Wednesday, March 13th, 2024 the keynote speech “Math in Disney and Pixar Movies” took place from 11 am until 12 pm at the Everardo Ortega Conference Room, Regional Center of West Panama of the Technological University of Panama (UTP). This free in-person event for the entire family was given by our international speaker Michael Dorff from the United States, as part of the celebration of the International Day of Mathematics.</p> 
<p>14</p> <p>11:00 AM - 12:00 PM</p>		<h3>Math in Disney and Pixar Movies in Panama</h3> <p>On Thursday, March 14th, 2024 the keynote speech “Math in Disney and Pixar Movies” took place from 11 am until 12 pm at the Balboa Room I of the Miramar Intercontinental Hotel, Panama City. This free in-person event for the entire family was given by our international speaker Michael Dorff from the United States, as part of the celebration of the International Day of Mathematics.</p> 
<p>14</p> <p>7:00 PM - 9:00 PM</p>		<h3>Meet &amp; Greet Michael Dorff</h3> <p>On Thursday, March 14th, 2023 the Meet &amp; Greet Michael Dorff took place, which was a fundraising dinner to gather donations to cover the FUNDAPROMAT projects, in which participants had the opportunity to share with our international guest while enjoying an exquisite dinner at the Cio Ragazzi restaurant in Clayton, Panama City.</p> 
<p>15</p> <p>11:00 AM - 12:00 PM</p>		<h3>Math in Disney and Pixar Movies in Colon</h3> <p>On Friday, March 15th, 2024 the keynote speech “Math in Disney and Pixar Movies” took place from 11 am until 12 pm at the San Lorenzo Room, Radisson Colon Hotel 2000. This free in-person event for the entire family was given by our international speaker Michael Dorff from the United States, as part of the celebration of the International Day of Mathematics.</p> 

# MARCH 2024

<p>20</p> <p>5:00 PM - 6:00 PM</p>	 <p>GOING TO PRISON FOR A MATH ERROR</p> <p>Invited speaker: Leila Schneps</p> <p>Join this Webinar that is free and open to the general public on Wednesday, March 20th, 2024 at 5 pm Panama time (6 pm EDT)</p> <p>Register at: <a href="https://tinyurl.com/webinar-eng1533a">https://tinyurl.com/webinar-eng1533a</a></p> <p>FUNDAPROMAT MAA</p>	<h3>Thirty-Fourth Math Webinar in English</h3> <p>The thirty-fourth Math Webinar in English took place on Wednesday, March 20th, 2024 from 5 pm until 6 pm with Leila Schneps, Research Director at the Scientific Research Center in Paris, France, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this thirty-fourth Math Webinar in English, Leila Schneps presented on “Going to Prison for a Math Error”. The speaker explained how mathematics appears in criminal trials in different ways, from calculating the probability that a crime took place to using statistics to identify physical traces, from analyzing DNA samples to determine whether the accused was present to calculating the weight of a given piece of evidence. Leila Schneps described examples of typical situations based on real-life trials to emphasize the dangers of leaving mathematical estimations to our intuition. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 
<p>24</p> <p>2:00 PM - 5:00 PM</p>	 <p>CARNAVAL DE MATEMÁTICAS EN PANAMÁ NORTE</p> <p>Evento gratis para toda la familia con juegos divertidos, regalos y mucho más con las expertas matemáticas panameñas</p> <p>Astrid Acosta, Renate Huebner, Daysi Jackson</p> <p>Fecha: domingo 24 de marzo de 2024 Hora: 2:00 p.m. a 5:00 p.m. Lugar: Villa Zaita Mall, entrada principal, lateral al puesto personal</p> <p>FUNDAPROMAT</p>	<h3>Math Carnival in North Panama</h3> <p>On Sunday, March 24th, 2024 from 2 pm until 5 pm we ran a Math Carnival in North Panama full of fun math activities for all ages. This free in-person event for the entire family highlighted the Panamanian female mathematicians Astrid Acosta, Renate Huebner and Daysi Jackson and took place at the Villa Zaita Mall, main entrance, next to the pedestrian bridge, North Panama.</p> 
<p>28</p> <p>5:00 PM - 6:00 PM</p>	 <p>Mensajes Matemáticos para Extraterrestres</p> <p>Fecha: jueves 28 de marzo de 2024 Hora: 5:00 p.m. Inscríbete en: <a href="https://tinyurl.com/mate-extraterrestres">https://tinyurl.com/mate-extraterrestres</a></p> <p>Expositor: Jorge Luis Arroyo</p> <p>Webinar gratis y abierto a todo público</p> <p>FUNDAPROMAT</p>	<h3>Webinar on Mathematical Messages for Aliens</h3> <p>The Webinar on Mathematical Messages for Aliens took place on Thursday, March 28th, 2024 from 5 pm until 6 pm, with Jorge Luis Arroyo, Professor of Mathematics at the Veracruz Anahuac University in Mexico, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker started the virtual event by defining what is a language and describing several examples of languages. Jorge Luis Arroyo then explained the language of the universe throughout history, mentioning a few significant characters like Ptolemy, Newton and Einstein. The speaker also pointed out that in the Voyager missions, space probes were sent to the outer planets.</p> 
<p>30</p> <p>10:00 AM - 11:00 AM</p>	 <p>CLASE DE ORIGAMI</p> <p>Fecha: sábado 30 de marzo de 2024 Hora: 10:00 a.m.</p> <p>Material: 6 cuadrados de papel de 10 cm x 10 cm y un cuadrado de papel de 7.5 cm x 7.5 cm Inscríbete en el link: <a href="https://tinyurl.com/origami108">https://tinyurl.com/origami108</a></p> <p>Expositor: David Medina</p> <p>Evento gratis y abierto a todo público</p>	<h3>Virtual Origami Class #108</h3> <p>The Virtual Origami Class #108 took place on Saturday, March 30th, 2024 from 10 am until 11 am, with the origami artist David Medina as our invited speaker. This virtual event was free and open to the general public.</p> <p>For this class, participants needed six 10 cm x 10 cm paper squares and one 7.5 cm x 7.5 cm paper square. David Medina then taught how to fold a mathematical game with L-triominoes, which is an origami model created by the speaker. This origami design is appropriate for 8-year-olds and above.</p> 








# APRIL 2024

<p>2</p> <p>9:00 AM - 12:00 PM</p>		<p><b>FUNDAPROMAT Stand at the University Fair of the Interamerican University of Panama</b></p> <p>On Tuesday, April 2nd, 2024 we were invited by the Volunteer Foundation of Panama to have a stand from 9 am until 12 pm at the University Fair of the Interamerican University of Panama (UIP) with fun math activities. This free in-person event took place at the Central Plaza of the Interamerican University of Panama (UIP), Panama City.</p> 
<p>3</p> <p>5:00 PM - 6:00 PM</p>		<p><b>Thirty-Fifth Math Webinar in English</b></p> <p>The thirty-fifth Math Webinar in English took place on Wednesday, April 3rd, 2024 from 5 pm until 6 pm with Ron Eglash, Professor at the School of Information of the University of Michigan, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this thirty-fifth Math Webinar in English, Ron Eglash presented on “Mathematics, Culture, and Computing for Just and Sustainable Futures”. The speaker described some of the global challenges that we face today and explained how mathematical models can translate ancient traditions, based on mutual aid among people and nature, into technologies for solidarity. Ron Eglash presented how from African fractals to indigenous biocomplexity, the intersections between math, computing and culture offer new pathways to just and sustainable futures. The speaker also encouraged participants to use the free simulation tools available on the website <a href="https://csdt.org">https://csdt.org</a> in which we can create our own designs. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 
<p>5</p> <p>2:00 PM - 3:00 PM</p>		<p><b>Origami Workshop at Las Mañanitas Youth Center and Library</b></p> <p>On Friday, April 5th, 2024 we were invited by the Alumni Association of Las Esclavas School to run an origami workshop for a group of twenty 8 to 13 year-old kids at Las Mañanitas Youth Center and Library.</p> 
<p>6</p> <p>10:00 AM - 11:30 AM</p>		<p><b>Math Jamboree #103</b></p> <p>The Math Jamboree #103 took place on Saturday, April 6th, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #103, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «Combiku» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Marleny Vargas for designing this activity for FUNDAPROMAT.</p> 



# APRIL 2024

<p>10</p> <p>5:00 PM - 6:00 PM</p>	 <p><b>ENCUENTRO VIRTUAL CON MATEMÁTICOS SOBRESALIENTES</b></p> <p>Expositora invitada: Christa Amezcua, Profesora de Matemáticas en el Centro Escolar Los Altos en Guadalupe, México</p> <p>Tema: Matemáticas en la Escuela Musical</p> <p>Este evento virtual es gratis y abierto a todo público</p> <p>Fecha: miércoles 10 de abril de 2024 Hora: 5:00 p.m. Inscríbete en el link: <a href="https://tinyurl.com/encuentro44">https://tinyurl.com/encuentro44</a></p> <p>FUNDAPROMAT</p>	<p><b>Forty-Fourth Virtual Encounter with Outstanding Mathematicians</b></p> <p>The forty-fourth Virtual Encounter with Outstanding Mathematicians took place on Wednesday, April 10th, 2024 from 5 pm until 6 pm. Christa Amezcua, Professor of Mathematics at the Los Altos School Center in Guadalupe, Mexico, was our invited speaker. This virtual event was free and open to the general public.</p> <p>On this forty-fourth Encounter, Christa Amezcua shared anecdotes of her personal life and her professional journey as a female mathematician. The speaker also presented on “Mathematics in the Musical Scale.” In this virtual event, Christa Amezcua explained where the notes of the musical octave came from. The speaker used the Pythagorean method to reconstruct this musical scale, by using a paper strip and fractions. Christa Amezcua also performed demonstrations with her violin and described how she uses music, astronomy, clothing manufacture, among other topics, to motivate the study of mathematics in her classroom.</p>  
<p>14</p> <p>11:00 AM - 3:00 PM</p>	 <p>VISITA EL STAND DE FUNDAPROMAT EN LA</p> <p>DOMINGO 14 DE ABRIL 11:00 A.M. - 3:00 P.M. ENTRADA GRATUITA</p> <p>MARCHA POR LA CIENCIA en el Biomuseo</p> <p>BIO-MUSEO, CIENCIA en Panamá, SEHACIT</p>	<p><b>FUNDAPROMAT Stand at the March for Science</b></p> <p>On Sunday, April 14th, 2024 we were invited by Ciencia en Panamá to have a stand from 11 am until 3 pm at the March for Science with fun math activities. This free in-person event took place at the Biomuseum, Panama City.</p>    
<p>18</p> <p>5:00 PM - 6:00 PM</p>	 <p><b>Decorando una Cocina con Matemáticas</b></p> <p>Fecha: jueves 18 de abril de 2024 Hora: 5:00 p.m. Inscríbete en: <a href="https://tinyurl.com/decorando-cocina">https://tinyurl.com/decorando-cocina</a></p> <p>Expositor: Sebastian Barbieri</p> <p>Webinario gratis y abierto a todo público</p> <p>FUNDAPROMAT</p>	<p><b>Webinar on Decorating a Kitchen with Mathematics</b></p> <p>The Webinar on Decorating a Kitchen with Mathematics took place on Thursday, April 18th, 2024 from 5 pm until 6 pm, with Sebastian Barbieri, Professor in the Department of Mathematics and Computer Science at the University of Santiago of Chile, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker defined Wang tiles and did various exercises in which he asked the audience if we could tile an arbitrarily big kitchen or not given certain tiles. Sebastian Barbieri then introduced the concept of an algorithm, described the Wang question and explained how all this is related to the Turing machine. The speaker also presented the famous Kari tiling, the Robinson tiling and the Jeandel-Rao tiling.</p>  
<p>20</p> <p>11:00 AM - 12:00 PM</p>	 <p><b>TALLER DEL PYRAMINX</b></p> <p>PARA ADULTOS Y NIÑOS MAYORES DE 10 AÑOS</p> <p>Sábado 20 de abril de 11:00 a.m. a 12:00 m.d. Biblioteca Nacional Ernesto J. Castellero R.</p> <p>INSCRIBETE escritiendo al WhatsApp 6990-1458</p> <p>FUNDAPROMAT</p>	<p><b>Pyraminx Workshop at the National Library</b></p> <p>On Saturday, April 20th, 2024 we ran a pyraminx workshop aimed at 10 year olds and above at the Youth Room, Fourth Floor, Ernesto J. Castellero R. National Library, located at the Omar Recreational Park, Panama City.</p>    

# APRIL - MAY 2024

<p>20</p> <p>2:00 PM - 5:00 PM</p>	<p><b>Stand de FUNDAPROMAT en la Feria Familiar de The Oxford School en Paseo del Norte</b></p> 	<p><b>FUNDAPROMAT Stand at the Family Fair of The Oxford School in Paseo del Norte</b></p> <p>On Saturday, April 20th, 2024 we were invited by the Jaguar Educational Fund to have a stand from 2 pm until 5 pm at the Family Fair of The Oxford School in Paseo del Norte with fun math activities.</p> 
<p>4</p> <p>10:00 AM - 11:30 AM</p>	<p><b>JOLGORIO MATEMÁTICO</b></p> 	<p><b>Math Jamboree #104</b></p> <p>The Math Jamboree #104 took place on Saturday, May 4th, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #104, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «No Triangles» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Jeanette Shakalli and Rafa Oliver for designing this activity for FUNDAPROMAT.</p> 
<p>9</p> <p>11:00 AM - 12:00 PM</p>	<p><b>Magia, Nudos y Matemáticas</b></p> 	<p><b>Magic, Knots and Mathematics in Los Santos</b></p> <p>On Thursday, May 9th, 2024 the keynote speech “Magic, Knots and Mathematics” took place from 11 am until 12 pm at the Conference Room I, Regional Center of Azuero, Technological University of Panama (UTP). This free in-person event for the entire family was given by our international speaker Allison Henrich from the United States, as part of the celebration of the International Day for Women in Mathematics.</p> 
<p>10</p> <p>11:00 AM - 12:00 PM</p>	<p><b>Magia, Nudos y Matemáticas</b></p> 	<p><b>Magic, Knots and Mathematics in Panama</b></p> <p>On Friday, May 10th, 2024 the keynote speech “Magic, Knots and Mathematics” took place from 11 am until 12 pm at the Miraflores Room of the Marriott Panama Hotel in Albrook Mall, Panama City. This free in-person event for the entire family was given by our international speaker Allison Henrich from the United States, as part of the celebration of the International Day for Women in Mathematics.</p> 

# MAY 2024

<p><b>11</b></p> <p>12:00 PM - 2:00 PM</p>	 <p><b>Meet &amp; Greet Allison Henrich</b></p> <p>Fecha: sábado 11 de mayo de 2024 Hora: 12:00 pm Lugar: Cio Ragazzi de Clayton, Ciudad de Panamá</p>	<p><b>Meet &amp; Greet Allison Henrich</b></p> <p>On Saturday, May 11th, 2024 the Meet &amp; Greet Allison Henrich took place, which was a fundraising lunch to gather donations to cover the FUNDAPROMAT projects, in which participants had the opportunity to share with our international guest while enjoying an exquisite lunch at the Cio Ragazzi restaurant in Clayton, Panama City.</p> 
<p><b>13</b></p> <p>11:00 AM - 12:00 PM</p>	 <p><b>Magia, Nudos y Matemáticas</b></p> <p>12 de Mayo Día Internacional de las Mujeres Matemáticas</p> <p>Los Santos, Panamá, Colón</p>	<p><b>Magic, Knots and Mathematics in Cocle</b></p> <p>On Monday, May 13th, 2024 the keynote speech “Magic, Knots and Mathematics” took place from 11 am until 12 pm at the John Y. Keffer Auditorium of the Academia Forum Foundation in El Caimito, Penonome. This free in-person event for the entire family was given by our international speaker Allison Henrich from the United States, as part of the celebration of the International Day for Women in Mathematics.</p> 
<p><b>16</b></p> <p>5:00 PM - 6:00 PM</p>	 <p><b>¿Por qué la democracia es mala pero todo lo demás es peor?</b></p> <p>Fecha: jueves 16 de mayo de 2024 Hora: 5:00 p.m. Inscríbete en: <a href="https://tinyurl.com/porkue-democracia">https://tinyurl.com/porkue-democracia</a></p> <p>Expositor: Ruben Martinez-Avedaño</p>	<p><b>Webinar on Why is democracy bad but everything else is worse?</b></p> <p>The Webinar on Why is democracy bad but everything else is worse? took place on Thursday, May 16th, 2024 from 5 pm until 6 pm, with Ruben Martinez-Avedaño, Professor in the Academic Department of Mathematics of the Autonomous Technological Institute of Mexico, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker explained with examples different voting methods: majority, with agenda, the Borda count, Hare's method and the dictator. Ruben Martinez-Avedaño then presented Kenneth Arrow's Theorem of 1950, who won the Nobel Prize in Economics in 1972. The speaker also mentioned that Saari in 2000 showed that the Borda count is the “least worst” of the voting methods. This virtual event was co-organized with the Mexican Mathematical Society (SMM).</p> 
<p><b>18</b></p> <p>11:00 AM - 12:00 PM</p>	 <p><b>Taller de Kirigami</b></p> <p>El arte de cortar papel dibujando con las tijeras</p> <p>Fecha: Sábado 18 de Mayo Hora: 11 am - 12 pm</p> <p>Lugar: MOLA MUSEUM</p>	<p><b>Kirigami Workshop at the Mola Museum</b></p> <p>On Saturday, May 18th, 2024 we were invited by the Alberto Motta Foundation to run a kirigami workshop aimed at 12 year olds and above at the Mola Museum in Casco Antiguo, Panama City.</p> 

# MAY 2024

<p>18</p> <p>4:00 PM - 8:00 PM</p>	<p>VISITA EL STAND DE</p> <p>FUNDAPROMAT</p> <p>EN LA CELEBRACIÓN DEL</p>  <p>DÍA INTERNACIONAL DE LOS MUSEOS</p> <p>SÁBADO 18 DE MAYO</p> <p>4:00 P.M. - 8:00 P.M.</p> <p>EXPLORA</p> <p>VEN Y SUMÉRGETE EN UNA EXPERIENCIA ÚNICA DEDICADA AL ARTE Y CULTURA!</p> <p>TICKET</p>	<p><b>FUNDAPROMAT Stand at the Celebration of the International Day of Museums</b></p> <p>On Saturday, May 18th, 2024 we were invited by the Explora Sciences and Art Center to have a stand from 4 pm until 8 pm at the Celebration of the International Day of Museums with fun math activities. This in-person event for the entire family took place at the Explora Sciences and Art Center in Condado del Rey, Panama City.</p> 
<p>21</p> <p>7:00 PM - 9:00 PM</p>	 <p>Si eres mayor de 18 años de edad y quieres fortalecer tus habilidades mentales, participa en nuestro</p> <p><b>MATHSJAM</b></p> <p>Fecha: martes 21 de mayo</p> <p>Hora: 7:00 p.m.</p> <p>Lugar: La Rana Dorada de Condado del Rey</p> <p>FUNDAPROMAT</p>	<p><b>MathsJam in Panama #15</b></p> <p>On Tuesday, May 21st, 2024 from 7 pm until 9 pm the MathsJam in Panama took place, in which math enthusiasts who are 18 years old and above enjoyed exploring board games and interesting math puzzles in a pleasant environment where they had the opportunity to interact with other like-minded people. This in-person event, which is only for adults, took place in the bar La Rana Dorada of Condado del Rey, Panama City.</p> 
<p>23</p> <p>5:00 PM - 6:00 PM</p>	 <p>AMBIGRAMS: LETTERING, SYMMETRY AND CREATIVITY</p> <p>Mathematics</p> <p>Fantasy</p> <p>Join this Webinar that is free and open to the general public on Thursday, May 23rd, 2024 at 5 pm Panama time, 4 pm EDT</p> <p>Register at: <a href="https://tinyurl.com/math-english24">https://tinyurl.com/math-english24</a></p> <p>FUNDAPROMAT</p> <p>MAA</p> <p>MATHEMATICAL ASSOCIATION OF AMERICA</p>	<p><b>Thirty-Sixth Math Webinar in English</b></p> <p>The thirty-sixth Math Webinar in English took place on Thursday, May 23rd, 2024 from 5 pm until 6 pm with puzzle designer, ambigram lettering artist and recreational mathematician who works as a startup coach and educational game designer with his company <a href="https://gamethinking.io">gamethinking.io</a>, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this thirty-sixth Math Webinar in English, Scott Kim presented on "Ambigrams: Lettering, Symmetry and Creativity". The speaker described that ambigrams are words written so they read in more than one way, usually right side up and upside down, or with some other mathematical symmetry, like mirror symmetry. Scott Kim mentioned that ambigrams are equal parts mathematics and art and showed multiple examples of ambigrams that he has created. The speaker also explained how you can create an ambigram using the names of some participants and taught us the basics of symmetry and lettering design. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 
<p>26</p> <p>2:00 PM - 5:00 PM</p>	 <p>CARNAVAL DE MATEMÁTICAS EN CIUDAD DE PANAMÁ</p> <p>¡Venimos gratis para toda la familia con juegos divertidos, regalos y mucho más con las mejores matemáticas profesionales!</p> <p>Yandra González</p> <p>Janeth Martínez</p> <p>Esthefanie Taylor</p> <p>EL DORADO</p> <p>Fecha: domingo 26 de mayo de 2024</p> <p>Hora: 2:00 p.m. a 5:00 p.m.</p> <p>Lugar: Plaza Central, Supercentro El Dorado, Ciudad de Panamá</p> <p>FUNDAPROMAT</p>	<p><b>Math Carnival in Panama City</b></p> <p>On Sunday, May 26th, 2024 from 2 pm until 5 pm we ran a Math Carnival in Panama City full of fun math activities for all ages. This free in-person event for the entire family highlighted the Panamanian female mathematicians Yandra Gonzalez, Janeth Martinez and Esthefanie Taylor and took place at the Central Plaza of the Super Center El Dorado, Panama City.</p> 









# MAY - JUNE 2024

<p>29</p> <p>5:00 PM - 6:00 PM</p>	 <p><b>Tuberculosis y Matemáticas</b></p> <p>Fecha: miércoles 29 de mayo de 2024 Hora: 5:00 p.m. Inscríbete en: <a href="https://tinyurl.com/tuberculosis-mate">https://tinyurl.com/tuberculosis-mate</a></p> <p>Expositor: Natalia Mantilla</p> <p>Webinario gratis y abierto a todo público</p>	<h3>Webinar on Tuberculosis and Mathematics</h3> <p>The Webinar on Tuberculosis and Mathematics took place on Wednesday, May 29th, 2024 from 5 pm until 6 pm, with Natalia Mantilla, Professor and Researcher at the National Autonomous University of Mexico (UNAM), as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker explained that tuberculosis is a contagious disease that affects approximately one out of four people. Natalia Mantilla mentioned that tuberculosis is caused by a bacteria that generally attacks the lungs, but can also attack other parts of the body, and that this bacteria is transmitted from one person to another through the air. The speaker also clarified that not all the people infected by the bacteria of tuberculosis get sick, hence there are two conditions related to tuberculosis: the latent tuberculosis infection and the tuberculosis disease. Natalia Mantilla also described the mathematical models that are used to study this disease. This virtual event was co-organized with the Mexican Mathematical Society (SMM).</p> 
<p>1</p> <p>10:00 AM - 11:30 AM</p>	 <p><b>JOLGORIO MATEMÁTICO</b></p> <p>El sábado 1 de junio a las 10 am explora con toda tu familia la divertida actividad «Cocina Caótica»</p> <p>Inscríbete en: <a href="https://tinyurl.com/jamboree105">https://tinyurl.com/jamboree105</a></p>	<h3>Math Jamboree #105</h3> <p>The Math Jamboree #105 took place on Saturday, June 1st, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #105, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «Cocina Caótica» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Romina Busain for designing this activity for FUNDAPROMAT.</p> 
<p>6</p> <p>5:00 PM - 6:00 PM</p>	 <p><b>Creatividad Matemática</b></p> <p>Fecha: jueves 6 de junio de 2024 Hora: 5:00 p.m. Webinario gratis y abierto a todo público Inscríbete en: <a href="https://tinyurl.com/creatividad-mate">https://tinyurl.com/creatividad-mate</a></p> <p>Expositor: Nicolás Libedinsky</p>	<h3>Webinar on Mathematical Creativity</h3> <p>The Webinar on Mathematical Creativity took place on Thursday, June 6th, 2024 from 5 pm until 6 pm, with Nicolás Libedinsky, Professor of Mathematics at the University of Chile, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker described several entertaining mathematical exercises that help us enter a creative state, for example: how are they alike and reinterpret stories. Nicolás Libedinsky emphasized that the power of humor is like fuel for creativity and recommended placing objects that remind us to be creative. The speaker also mentioned that in order to be creative, he suggests having a beginner attitude, believing that our ideas are brilliant, trusting our own intuition, and training in improvisation.</p> 
<p>12</p> <p>5:00 PM - 6:00 PM</p>	 <p><b>Juegos de Hipopótamos, Flamingos y Pulpos</b></p> <p>Fecha: miércoles 12 de junio de 2024 Hora: 5:00 p.m. Inscríbete en: <a href="https://tinyurl.com/flamingos-pulpos">https://tinyurl.com/flamingos-pulpos</a></p> <p>Expositor: Adrian Gonzalez Casanova</p> <p>Webinario gratis y abierto a todo público</p>	<h3>Webinar on Games of Hippos, Flamingos and Octopuses</h3> <p>The Webinar on Games of Hippos, Flamingos and Octopuses took place on Wednesday, June 12th, 2024 from 5 pm until 6 pm, with Adrian Gonzalez Casanova, Professor of Mathematics at the Autonomous National University of Mexico (UNAM) and the University of California, Berkeley, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker shared the Elephant Game, the Flamingo and Hippo Game (also known as Submarine) and the Shannon Game, which involves octopuses that want to hold hands. Adrian Gonzalez Casanova explained the winning strategies of these games and mentioned that his presentation is based on the book “Game Theory, Alive!” This virtual event was co-organized with the Mexican Mathematical Society (SMM).</p> 

# JUNE 2024

<p>13</p> <p>5:00 PM - 6:00 PM</p>		<h3>Forty-Fifth Virtual Encounter with Outstanding Mathematicians</h3> <p>The forty-fifth Virtual Encounter with Outstanding Mathematicians took place on Thursday, June 13th, 2024 from 5 pm until 6 pm. Amalia Pizarro, Professor at the Mathematics Institute of the University of Valparaíso, Chile, was our invited speaker. This virtual event was free and open to the general public.</p> <p>On this forty-fifth Encounter, Amalia Pizarro shared anecdotes of her personal life and her professional journey as a female mathematician. The speaker also presented on “Algorithms, Secrets and Prime Numbers.” In this virtual event, Amalia Pizarro defined an algorithm as a finite sequence of logical and ordered steps with which we can solve a problem and mentioned that the first algorithm in history was written by Ada Lovelace. The speaker also explained what cryptography is and what cryptanalysis means and shared the difference between cryptography of public key and cryptography of private key. Amalia Pizarro then described how all of this is related to prime numbers.</p> 
<p>15</p> <p>2:00 PM - 3:00 PM</p>		<h3>Origami Workshop at the Museum of Liberty</h3> <p>On Saturday, June 15th, 2024 we were invited to run an origami workshop aimed at 8 year olds and above at the Museum of Liberty, Panama City.</p> 
<p>18</p> <p>7:00 PM - 9:00 PM</p>		<h3>MathsJam in Panama #16</h3> <p>On Tuesday, June 18th, 2024 from 7 pm until 9 pm the MathsJam in Panama took place, in which math enthusiasts who are 18 years old and above enjoyed exploring board games and interesting math puzzles in a pleasant environment where they had the opportunity to interact with other like-minded people. This in-person event, which is only for adults, took place in the bar La Rana Dorada of Condado del Rey, Panama City.</p> 
<p>20</p> <p>5:00 PM - 6:00 PM</p>		<h3>Thirty-Seventh Math Webinar in English</h3> <p>The thirty-seventh Math Webinar in English took place on Thursday, June 20th, 2024 from 5 pm until 6 pm with Yossi Elran, Recreational Mathematician at the Davidson Institute of Science Education, the educational arm of the Weizmann Institute of Science in Rehovot, Israel, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this thirty-seventh Math Webinar in English, Yossi Elran presented on “Paper Puzzles.” The speaker described the Fujimoto approximation and mentioned the origami works of Krystyna Burczyk and Robert Lang. Yossi Elran then showed how to divide a square into three equal parts, how to convert a rectangle into a square, how to transform a square into an equilateral triangle, how to convert a strip of paper into a pentagon, how to transform a strip of paper into a Mobius band, how to create a cube using a strip of paper, how to make flexagons, among other mathematical challenges. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 

# JUNE 2024

<p>22</p> <p>10:00 AM - 11:00 AM</p>		<h3>Virtual Origami Class #109</h3> <p>The Virtual Origami Class #109 took place on Saturday, June 22nd, 2024 from 10 am until 11 am, with the origami artist David Medina as our invited speaker. This virtual event was free and open to the general public.</p> <p>For this class, participants needed three 15 cm x 15 cm paper squares, preferably of different colors. David Medina then taught how to fold a Spinner, which is an origami model created by Makoto Yamaguchi. This origami design is appropriate for 8-year-olds and above.</p> 
<p>26</p> <p>11:00 AM - 12:00 PM</p>		<h3>Mati and her Math Adventures in Chiriqui</h3> <p>On Wednesday, June 26th, 2024 the keynote speech "Mati and her Math Adventures" took place from 11 am until 12 pm at the Elsa Estela Real Auditorium of the Autonomous University of Chiriqui (UNACHI). This free in-person event for the entire family was given by our international speaker Clara Grima from Spain.</p> 
<p>27</p> <p>11:00 AM - 12:00 PM</p>		<h3>Mati and her Math Adventures in Herrera</h3> <p>On Thursday, June 27th, 2024 the keynote speech "Mati and her Math Adventures" took place from 11 am until 12 pm at the Carmelo Spadafora Auditorium of the University of Work and the Elderly (UTTE) at Azuero in Chitre. This free in-person event for the entire family was given by our international speaker Clara Grima from Spain.</p> 
<p>28</p> <p>11:00 AM - 12:00 PM</p>		<h3>Mati and her Math Adventures in Panama</h3> <p>On Friday, June 28th, 2024 the keynote speech "Mati and her Math Adventures" took place from 11 am until 12 pm at the Auditorium of the Ascanio Arosemena Training Center, Panama City. This free in-person event for the entire family was given by our international speaker Clara Grima from Spain.</p> 





# JUNE - JULY 2024

<p>29</p> <p>12:00 PM - 2:00 PM</p>	 <p><b>Meet &amp; Greet Clara Grima</b></p> <p>Donación: \$1000 por persona incluye el almuerzo vestidura casual</p> <p>Reserva tu lugar</p> <p>Fecha: sábado 29 de junio de 2024 Hora: 12:00 m.d. Lugar: Ciao Ragazzi de Clayton, Ciudad de Panamá</p>	<p><b>Meet &amp; Greet Clara Grima</b></p> <p>On Saturday, June 29th, 2024 the Meet &amp; Greet Clara Grima took place, which was a fundraising lunch to gather donations to cover the FUNDAPROMAT projects, in which participants had the opportunity to share with our international guest while enjoying an exquisite lunch at the Ciao Ragazzi restaurant in Clayton, Panama City.</p> 
<p>6</p> <p>10:00 AM - 11:30 AM</p>	 <p><b>JOLGORIO MATEMÁTICO</b></p> <p>El sábado 6 de julio a las 10 am explora con toda tu familia la divertida actividad "Dragones"</p> <p>Inscríbete en: <a href="https://tinyurl.com/sjgtr106">https://tinyurl.com/sjgtr106</a></p>	<p><b>Math Jamboree #106</b></p> <p>The Math Jamboree #106 took place on Saturday, July 6th, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #106, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «Dragons» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Jeanette Shakalli, Rafa Oliver and Tiago Hirth for designing this activity for FUNDAPROMAT.</p> 
<p>16</p> <p>3:00 PM - 4:00 PM</p>	 <p><b>Visita a la Fundación Casita de Mausi</b></p> <p>El pasado martes 16 de julio de 2024 realizamos las actividades divertidas de matemáticas para la Fundación Casita de Mausi: "Tessellados de Gatos de Pintura" y "Edificando".</p>	<p><b>Visit to the Casita de Mausi Foundation</b></p> <p>On Tuesday, July 16th, 2024 we ran two fun math activities for the Casita de Mausi Foundation: "Paint Drop Tessellations" and "Building". This Foundation offers temporary lodging in Panama City for cancer patients from the provinces.</p> 
<p>17</p> <p>4:00 PM - 5:00 PM</p>	 <p><b>Las Matemáticas en Netflix, Amazon, Spotify y Otros Medios Sociales</b></p> <p>Fecha: miércoles 17 de julio de 2024 Hora: 4:00 p.m.</p> <p>Webinario gratis y abierto a todo público</p> <p>Inscríbete en: <a href="https://tinyurl.com/amazon-netflix">https://tinyurl.com/amazon-netflix</a></p> <p>Expositora: Alicia Prieto Langarica</p>	<p><b>Webinar on Math in Netflix, Amazon, Spotify and Other Social Media</b></p> <p>The Webinar on Math in Netflix, Amazon, Spotify and Other Social Media took place on Wednesday, July 17th, 2024 from 4 pm until 5 pm, with Alicia Prieto Langarica, Professor in the Department of Mathematics and Statistics at Youngstown State University in Ohio, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker explained in general how the mathematical algorithms that companies like Netflix, Spotify and Amazon use to make recommendations to their users to keep them connected work. Alicia Prieto Langarica then emphasized the effects on our mental health of being constantly using social media and the importance of human interaction. The speaker also described how technology can be used for good by sharing a concrete example in medicine.</p> 

# JULY 2024

<p>18</p> <p>10:00 AM - 11:00 AM</p>	<p><b>Taller para la Embajada de España en Panamá</b></p> <p>El pasado jueves 18 de julio de 2024 fuimos invitados por la Embajada de España en Panamá a realizar un taller de matemáticas divertidas con origami a un grupo de estudiantes y docentes de la Escuela Bilingüe Simón Bolívar en el Centro Cultural de España - Casa del Solitario en Casco Antiguo.</p>  	<p><b>Origami Workshop for the Embassy of Spain in Panama</b></p> <p>On Thursday, July 18th, 2024 we were invited by the Embassy of Spain in Panama to run an origami workshop for a group of students and teachers of the Simon Bolivar Bilingual School at the Cultural Center of Spain in Casco Antiguo, Panama City.</p> 
<p>18</p> <p>5:00 PM - 6:00 PM</p>	<p><b>DANCING DIGITS</b></p> <p>Teach Math With Dance</p> <p>Join this Webinar that is free and open to the general public on Thursday, July 18th, 2024 at 5 pm Panama time, 6 pm EDT</p> <p>Register at: <a href="https://tinyurl.com/math-wanglab38">https://tinyurl.com/math-wanglab38</a></p>  	<p><b>Thirty-Eighth Math Webinar in English</b></p> <p>The thirty-eighth Math Webinar in English took place on Thursday, July 18th, 2024 from 5 pm until 6 pm with Miranda Abbott, Founder of Dance Equations, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this thirty-eighth Math Webinar in English, Miranda Abbott presented on "Dancing Digits". The speaker explored rapid additions and subtractions using her body as a calculator. Miranda Abbott designed this activity to enhance the mental math skills of her students engagingly and dynamically and to stimulate their minds in new ways. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 
<p>19</p> <p>12:30 PM - 2:00 PM</p>	<p><b>Stand de FUNDAPROMAT en la Feria Escolar de la Fundación Pro Niños de Darién</b></p> <p>El pasado viernes 19 de julio de 2024 fuimos invitados por la Fundación Pro Niños de Darién a compartir con los participantes de su Feria Escolar en Meteti en el marco de la celebración del Día del Niño y la Niña.</p>   	<p><b>FUNDAPROMAT Stand at the School Fair of the Pro Children of Darien Foundation</b></p> <p>On Friday, July 19th, 2024 we were invited to have a stand from 12:30 pm until 2 pm at the School Fair of the Pro Children of Darien Foundation in Meteti with fun math activities, as part of the celebration of Children's Day.</p> 
<p>20</p> <p>10:00 AM - 12:00 PM</p>	<p><b>Entrenamiento para Voluntarios de la Autoridad del Canal de Panamá</b></p> <p>El pasado sábado 20 de julio de 2024 fuimos invitados a realizar un entrenamiento presencial de matemáticas recreativas a un grupo de voluntarios de la Autoridad del Canal de Panamá en el Centro de Capacitación Ascanio Arosemena.</p>  	<p><b>Training Session for Volunteers of the Panama Canal Authority</b></p> <p>On Saturday, July 20th, 2024 we were invited to run an in-person training session on recreational mathematics to a group of volunteers of the Panama Canal Authority at the Ascanio Arosemena Training Center, Panama City.</p> 


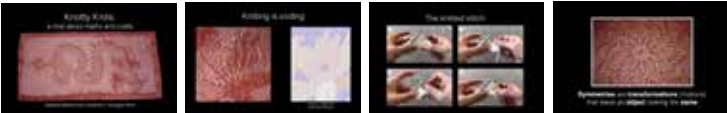



# JULY 2024

<p>20</p> <p>2:00 PM - 4:00 PM</p>		<h3>Math Party for the Embassy of Spain in Panama</h3> <p>On Saturday, July 20th, 2024 we were invited by the Embassy of Spain in Panama to run a Math Party at the Cultural Center of Spain in Casco Antiguo, Panama City. This free in-person event for the entire family included fun math activities accessible for all ages.</p> 
<p>23</p> <p>7:00 PM - 9:00 PM</p>		<h3>MathsJam in Panama #17</h3> <p>On Tuesday, July 23rd, 2024 from 7 pm until 9 pm the MathsJam in Panama took place, in which math enthusiasts who are 18 years old and above enjoyed exploring board games and interesting math puzzles in a pleasant environment where they had the opportunity to interact with other like-minded people. This in-person event, which is only for adults, took place in the bar La Rana Dorada of Condado del Rey, Panama City.</p> 
<p>25</p> <p>8:00 AM - 5:00 PM</p>		<h3>FUNDAPROMAT Stand at the Book and Literature Youth Festival in Chiriqui</h3> <p>On Thursday, July 25th, 2024 we were invited to have a stand from 8 am until 5 pm at the Book and Literature Youth Festival with fun math activities. This free in-person event for the entire family took place at the Boquete Library, Province of Chiriqui.</p> 
<p>27</p> <p>3:00 PM - 4:00 PM</p>		<h3>Flexagon Party at the Mola Museum</h3> <p>On Saturday, July 27th, 2024 we were invited by the Alberto Motta Foundation to run a flexagon party aimed at 12 year olds and above at the Mola Museum in Casco Antiguo, Panama City.</p> 









# JULY - AUGUST 2024

<p>28</p> <p>10:00 AM - 11:00 AM</p>	<p><b>Taller en el Centro Comunitario Nueva Luz No. 2 en Burunga</b></p>  <p>El pasado domingo 28 de julio de 2024 fuimos invitados por la Fundación TECHO Panamá a realizar un taller de matemáticas divertidas con origen en el Centro Comunitario Nueva Luz No. 2 en Burunga.</p>	<p><b>Origami Workshop at the Nueva Luz No. 2 Community Center in Burunga</b></p> <p>On Sunday, July 28th, 2024 we were invited by the TECHO Foundation to run an origami workshop at the Nueva Luz No. 2 Community Center in Burunga. This Foundation seeks to overcome the poverty situation that thousands of people in precarious settlements live, through the joint action of the inhabitants and volunteers.</p> 
<p>3</p> <p>8:30 PM - 3:30 PM</p>	<p><b>Stand de FUNDAPROMAT en el Congreso Anual de la Fundación Valórate</b></p>  <p>El pasado sábado 3 de agosto de 2024 fuimos invitados por la Fundación Valórate a compartir con los participantes de su Congreso Anual en el Hotel Marriott Panamá en Albrook Mall.</p>	<p><b>FUNDAPROMAT Stand at the Annual Congress of the Valorate Foundation</b></p> <p>On Saturday, August 3rd, 2024 we were invited to have a stand from 8:30 am until 3:30 pm at the Annual Congress of the Valorate Foundation with fun math activities at the Marriott Panamá Hotel in Albrook Mall.</p> 
<p>8</p> <p>9:00 AM - 2:00 PM</p>	<p><b>Stand de FUNDAPROMAT en el Segundo Encuentro de Networking para Estudiantes</b></p>  <p>El pasado jueves 8 de agosto fuimos invitados por la Secretaría Nacional de Ciencia, Tecnología e Innovación (SENACYT) a compartir con los participantes del Segundo Encuentro de Networking para Estudiantes en el Centro de Comunicaciones de la Ciudad del Saber.</p>	<p><b>FUNDAPROMAT Stand at the Second Student Networking Encounter</b></p> <p>On Thursday, August 8th, 2024 we were invited by the National Secretariat of Science, Technology and Innovation (SENACYT) to have a stand from 9 am until 2 pm at the Second Student Networking Encounter with fun math activities. This in-person event took place at the Convention Center of the City of Knowledge, Panama City.</p> 
<p>13</p> <p>10:00 AM - 11:00 AM</p>	<p><b>MATEMÁTICAS PARA TODOS</b></p>  <p>FUNDAPROMAT</p> <p>JEANETTE SHAKALLI</p> <p>13, 14 y 16 DE AGOSTO</p> <p>DEL 10:00 AM AL 11:00 AM</p> <p>Perla Internacional del Libro de Panamá</p> <p>ALEXANDRA DE ABRAZA</p> <p>ESPAÑA.com</p>	<p><b>Math For All at the International Book Fair</b></p> <p>On Tuesday, August 13th, 2024 we were invited by the Panamanian Book Chamber (CAPALI) to give a keynote lecture on "Math For All" from 10 am until 11 am at the Bejuco Chocoe Room, First Floor, Atlapa Convention Center, Panama City. This in-person event aimed at 14 to 16 year-old students was given by our Executive Director, Dr. Jeanette Shakalli.</p> 

# AUGUST 2024

<p>14</p> <p>10:00 AM - 11:00 AM</p>		<h3>Math For All at the International Book Fair</h3> <p>On Wednesday, August 14th, 2024 we were invited by the Panamanian Book Chamber (CAPALI) to give a keynote lecture on “Math For All” from 10 am until 11 am at the Bejuco Chocoe Room, First Floor, Atlapa Convention Center, Panama City. This in-person event aimed at 14 to 16 year-old students was given by our Executive Director, Dr. Jeanette Shakalli.</p> 
<p>15</p> <p>5:00 PM - 6:00 PM</p>		<h3>Thirty-Ninth Math Webinar in English</h3> <p>The thirty-ninth Math Webinar in English took place on Thursday, August 15th, 2024 from 5 pm until 6 pm with Sabetta Matsumoto, Associate Professor in the School of Physics at Georgia Institute of Technology, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this thirty-ninth Math Webinar in English, Sabetta Matsumoto presented on “Knotty Knots: A Chat about Math and Crafts”. The speaker connected creative crafts with math research. Sabetta Matsumoto presented on curvature using pattern design, symmetries using quilt squares and flags, hyperbolic space using crochet, and knot theory and coding using knits. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 
<p>16</p> <p>10:00 AM - 11:00 AM</p>		<h3>Math For All at the International Book Fair</h3> <p>On Friday, August 16th, 2024 we were invited by the Panamanian Book Chamber (CAPALI) to give a keynote lecture on “Math For All” from 10 am until 11 am at the Bejuco Chocoe Room, First Floor, Atlapa Convention Center, Panama City. This in-person event aimed at 14 to 16 year-old students was given by our Executive Director, Dr. Jeanette Shakalli.</p> 
<p>17</p> <p>9:00 AM - 7:00 PM</p>		<h3>FUNDAPROMAT Stand at the International Book Fair</h3> <p>On Saturday, August 17th, 2024 we were invited by the Panamanian Book Chamber (CAPALI) to have a stand with two tables with fun math activities from 9 am until 7 pm at the International Book Fair. This in-person event took place at the Atlapa Convention Center, Panama City.</p> 















# AUGUST 2024

<p>18</p> <p>9:00 AM - 7:00 PM</p>		<p><b>FUNDAPROMAT Stand at the International Book Fair</b></p> <p>On Sunday, August 18th, 2024 we were invited by the Panamanian Book Chamber (CAPALI) to have a stand with two tables with fun math activities from 9 am until 7 pm at the International Book Fair. This in-person event took place at the Atlapa Convention Center, Panama City.</p> 
<p>21</p> <p>10:00 AM - 12:00 PM</p>		<p><b>Math Carnival in Darien</b></p> <p>On Wednesday, August 21st, 2024 from 10 am until 12 pm we ran our first Math Carnival in Darien full of fun math activities for all ages. This free in-person event for the entire family highlighted the Panamanian female mathematicians Jeanine Quintero, Doris Navas and Delia Vargas and took place at the Bellagio Restaurant in Meteti, Province of Darien.</p> 
<p>21</p> <p>6:00 PM - 8:00 PM</p>		<p><b>FUNDAPROMAT Stand at the Expo Design 11</b></p> <p>On Wednesday, August 21st, 2024 we were invited by the Ganexa University of Art to have a stand from 6 pm until 8 pm at the Expo Design 11 with fun math activities. This in-person event took place at the Galleria Room of the Ganexa University of Art, Panama City.</p> 
<p>24</p> <p>10:00 AM - 12:00 PM</p>		<p><b>Math Party for the Panama Canal Authority</b></p> <p>On Saturday, August 24th, 2024 we were invited to run a Math Party for the children of the employees of the Panama Canal Authority at the Managerial Wing of the Ascanio Arosemena Training Center, Panama City.</p> 

# AUGUST - SEPTEMBER 2024

<p>28</p> <p>1:00 PM - 2:30 PM</p>	<p><b>Stand de FUNDAPROMAT en el Congreso Internacional de Matemáticas 2024</b></p> <p>El pasado miércoles 28 de agosto fuimos invitados por la Universidad de Panamá a compartir con los participantes del Congreso Internacional de Matemáticas, que se llevó a cabo en el Campus Harmodio Arias Madrid.</p> 	<p><b>FUNDAPROMAT Stand at the International Math Congress 2024</b></p> <p>On Wednesday, August 28th, 2024 we were invited by the University of Panama to have a stand from 1 pm until 2:30 pm at the International Math Congress 2024 with fun math activities. This in-person event took place at the Harmodio Arias Madrid Campus, Panama City.</p> 
<p>29</p> <p>5:00 PM - 6:00 PM</p>	<p><b>El Misterio de los Números</b></p> <p>Fecha: jueves 29 de agosto de 2024 Hora: 5:00 p.m.</p> <p>Webinario gratis y abierto a todo público</p> <p>Inscríbete en: <a href="https://tinyurl.com/misisterionumeros">https://tinyurl.com/misisterionumeros</a></p> <p>Expositor: Nicolás Piña</p> 	<p><b>Webinar on The Mystery of Numbers</b></p> <p>The Webinar on The Mystery of Numbers took place on Thursday, August 29th, 2024 from 5 pm until 6 pm, with Nicolás Piña, Professor at the Central University of Chile, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker explained why 6174 is Krapekar's constant for four digits and why 495 is considered Kaprekar's constant for three digits. Nicolás Piña then described why 73 is Sheldon Cooper's favorite number from the popular TV show "Big Bang Theory". The speaker also defined which are the happy numbers and which are the unhappy numbers and highlighted an open problem in mathematics: we still do not know if there exist infinitely many happy prime numbers.</p> 
<p>3</p> <p>9:00 AM - 12:00 PM</p>	<p><b>CARNAVAL DE MATEMÁTICAS EN CHIRIQUI</b></p> <p>Un evento gratis para toda la familia con juegos divertidos, concursos y mucho más con las expertas matemáticas panameñas.</p> <p>Maryan Williams, Karen Cedeño, Rita Vargas</p> <p>Fecha: martes 3 de septiembre de 2024 Hora: 9:00 a.m. a 12:00 m.d. Lugar: Biblioteca de Boquete, Provincia de Chiriquí</p> 	<p><b>Math Carnival in Chiriqui</b></p> <p>On Tuesday, September 3rd, 2024 from 9 am until 12 pm we ran a Math Carnival in the Province of Chiriqui full of fun math activities for all ages. This free in-person event for the entire family highlighted the Panamanian female mathematicians Maryan Williams, Karen Cedeño and Rita Vargas and took place at the Boquete Library, Province of Chiriqui.</p> 
<p>7</p> <p>10:00 AM - 11:30 AM</p>	<p><b>JOLGORIO MATEMÁTICO</b></p> <p>El sábado 7 de septiembre a las 10 am explora con toda tu familia la divertida actividad "Corso Florales".</p> 	<p><b>Math Jamboree #107</b></p> <p>The Math Jamboree #107 took place on Saturday, September 7th, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #107, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «Floral Zeros» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Jeanette Shakalli and Julieta Parravicini for designing this activity for FUNDAPROMAT.</p> 

# SEPTEMBER 2024

<p>10</p> <p>11:00 AM - 12:00 PM</p>		<h3>Kirigami and Math in Bocas del Toro</h3> <p>On Tuesday, September 10th, 2024 the keynote speech “Kirigami and Math” took place from 11 am until 12 pm at the Auditorium of the Regional Center of Bocas del Toro, Technological University of Panama (UTP). This free in-person event for the entire family was given by our international speaker Miriam Baez from Mexico.</p>    
<p>12</p> <p>11:00 AM - 12:00 PM</p>		<h3>Kirigami and Math in Darien</h3> <p>On Thursday, September 12th, 2024 the keynote speech “Kirigami and Math” took place from 11 am until 12 pm at the Bellagio Restaurant in Meteti, Province of Darien. This free in-person event for the entire family was given by our international speaker Miriam Baez from Mexico.</p>    
<p>13</p> <p>11:00 AM - 12:00 PM</p>		<h3>Kirigami and Math in Panama</h3> <p>On Friday, September 13th, 2024 the keynote speech “Kirigami and Math” took place from 11 am until 12 pm at the Colon Room 3, Second Floor, Marriott Panama Hotel in Albrook Mall, Panama City. This free in-person event for the entire family was given by our international speaker Miriam Baez from Mexico.</p>    
<p>14</p> <p>12:00 PM - 2:00 PM</p>		<h3>Meet &amp; Greet Miriam Báez</h3> <p>On Saturday, September 14th, 2024 the Meet &amp; Greet Miriam Baez took place, which was a fundraising lunch to gather donations to cover the FUNDAPROMAT projects, in which participants had the opportunity to share with our international guest while enjoying an exquisite lunch at the Ciao Ragazzi restaurant in Clayton, Panama City.</p>  









# SEPTEMBER 2024

<p>15</p> <p>1:00 PM - 5:00 PM</p>		<h3>FUNDAPROMAT Stand at the Omar Recreational Park</h3> <p>On Sunday, September 15th, 2024 we were invited to have a stand from 1 pm until 5 pm at the activity "I learn and have fun on vacation" of the First Lady's Office with fun math activities. This free in-person event for the entire family took place at the Santiago Room in the Omar Recreational Park, Panama City.</p> 
<p>17</p> <p>7:00 PM - 9:00 PM</p>		<h3>MathsJam in Panama #18</h3> <p>On Tuesday, September 17th, 2024 from 7 pm until 9 pm the MathsJam in Panama took place, in which math enthusiasts who are 18 years old and above enjoyed exploring board games and interesting math puzzles in a pleasant environment where they had the opportunity to interact with other like-minded people. This in-person event, which is only for adults, took place in the bar La Rana Dorada of Condado del Rey, Panama City.</p> 
<p>18</p> <p>5:00 PM - 6:00 PM</p>		<h3>Fortieth Math Webinar in English</h3> <p>The fortieth Math Webinar in English took place on Wednesday, September 18th, 2024 from 5 pm until 6 pm with Theodora Chen, Digital Forensic Officer at the British Transport Police, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this fortieth Math Webinar in English, Theodora Chen presented on "Forensic Evidence in Court: What Can You Prove?" The speaker explained the different types of forensic evidence and in particular, described fingerprint evidence, DNA evidence and digital forensic evidence. Theodora Chen mentioned various concrete examples of the issue between explanation, particularly if it involves probability and statistics, and interpretation when evidence is presented in court. The speaker also introduced the different types of bias, such as unintentional stereotype bias, confirmation bias and contextual bias. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 
<p>21</p> <p>11:00 AM - 12:00 PM</p>		<h3>Workshop on Drawing Art in 3D at the City of Knowledge</h3> <p>On Saturday, September 21st, 2024 we ran a workshop on drawing art in 3D aimed at 12 year olds and above at the Building 181 of the City of Knowledge, Panama City. This in-person workshop was given by our Fulbright scholar Annalisa Crannell.</p> 

# SEPTEMBER - OCTOBER 2024

<p>27</p> <p>1:00 PM - 3:00 PM</p>	<p><b>Stand de FUNDAPROMAT en el Pabellón Infantil de la Noche Iberoamericana de Investigadores</b></p> 	<p><b>FUNDAPROMAT Stand at the Youth Hall of the Ibero-American Night of Researchers</b></p> <p>On Friday, September 27th, 2024 we were invited by the Organization of Ibero-American States (OEI) - Panama Headquarters to have a stand from 1 pm until 3 pm at the Youth Hall of the Ibero-American Night of Researchers with fun math activities. This in-person event took place at House 108 of the City of Knowledge, Panama City.</p> 
<p>28</p> <p>3:00 PM - 4:00 PM</p>		<p><b>Cutting Carnival at the Mola Museum</b></p> <p>On Saturday, September 28th, 2024 we were invited by the Alberto Motta Foundation to run a cutting carnival aimed at 12 year olds and above at the Mola Museum in Casco Antiguo, Panama City.</p> 
<p>2</p> <p>5:00 PM - 6:00 PM</p>		<p><b>Forty-First Math Webinar in English</b></p> <p>The forty-first Math Webinar in English took place on Wednesday, October 2nd, 2024 from 5 pm until 6 pm with Henry Segerman, Associate Professor of Mathematics at Oklahoma State University, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this forty-first Math Webinar in English, Henry Segerman presented on "Artistic Mathematics: Truth and Beauty." The speaker presented on his work in mathematical visualization, that involves the creation of images, models and experiences of mathematical concepts that are accurate, effective and beautiful. Henry Segerman explained what makes a visualization compelling and showed many examples of 3D printing, virtual reality and spherical video. The speaker also mentioned his experiences in teaching a project-based class on 3D printing for mathematics students and recommended the participants visit the following websites: <a href="https://math.okstate.edu/people/segerman">https://math.okstate.edu/people/segerman</a>, <a href="https://3-dimensional.space">https://3-dimensional.space</a> y <a href="https://www.youtube.com/watch?v=g3X0d5NUjIA">https://www.youtube.com/watch?v=g3X0d5NUjIA</a>. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 
<p>5</p> <p>10:00 AM - 11:30 AM</p>		<p><b>Math Jamboree #108</b></p> <p>The Math Jamboree #108 took place on Saturday, October 5th, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #108, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «Colored Little Balls» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Marleny Vargas for designing this activity for FUNDAPROMAT.</p> 

# OCTOBER 2024

<p>6</p> <p>1:00 PM - 4:00 PM</p>		<h3>FUNDAPROMAT Stand at the Panama Chess Festival</h3> <p>On Sunday, October 6th, 2024 we were invited by Chess Logistic Panama to have a stand from 1 pm until 4 pm at the Panama Chess Festival with fun math activities. This in-person event took place at Atrio Costa del Este, Panama City.</p> 
<p>8</p> <p>2:00 PM - 4:00 PM</p>		<h3>Origami Workshop for the Development Bank of Latin America and the Caribbean (CAF)</h3> <p>On Tuesday, October 8th, 2024 we were invited by the Development Bank of Latin America and the Caribbean (CAF) to run two origami workshops for two groups of students of the Adelaida Herrera School in the Province of Colon, as part of their volunteer initiative known as "One Backpack of Opportunities".</p> 
<p>9</p> <p>5:00 PM - 6:00 PM</p>		<h3>Forty-Sixth Virtual Encounter with Outstanding Mathematicians</h3> <p>The forty-sixth Virtual Encounter with Outstanding Mathematicians took place on Wednesday, October 9th, 2024 from 5 pm until 6 pm. Mariana Carnalla, Math Communicator at the Math Research Center (CIMAT) in Mexico, was our invited speaker. This virtual event was free and open to the general public.</p> <p>On this forty-sixth Encounter, Mariana Carnalla shared anecdotes of her personal life and her professional journey as a female mathematician. The speaker also presented on "Between the Cognitive and the Affective." In this virtual event, Mariana Carnalla described an implementation model designed by the Creative Math Teaching Network that seeks to promote a vision of mathematics as an activity that stimulates creative, conceptual and emotional development. The speaker highlighted that the path is more important than the result and mentioned several examples of positive and inclusive comments that can be used by activity facilitators to attract more people towards mathematics. Mariana Carnalla also invited the participants to solve a math challenge called "The Bored Jailer".</p> 
<p>10</p> <p>9:00 AM - 12:00 PM</p>		<h3>FUNDAPROMAT Stand at the Scientific Fair of Youth Ingenuity 2024</h3> <p>On Thursday, October 10th, 2024 we were invited by the National Secretariat of Science, Technology and Innovation (SENACYT) to have a stand from 9 am until 12 pm at the Scientific Fair of Youth Ingenuity 2024 with fun math activities. This in-person event took place at the Marriott Panama Hotel in Albrook Mall.</p> 









# OCTOBER 2024

<p>10</p> <p>5:00 PM - 6:00 PM</p>		<h3>Webinar on Why Communicate Science?</h3> <p>The Webinar on Why Communicate Science? took place on Thursday, October 10th, 2024 from 5 pm until 6 pm, with Nelida Pohl, Director of Communications at the Ecology and Biodiversity Institute of Chile, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker explained why science communication is important and why involving science researchers in it is necessary. Nelida Pohl mentioned that before communicating science, we have to reflect on why we are doing it and which communities are we trying to serve. The speaker also shared several examples of effective, responsible and sensible communication and described the basic principles of communicating with diverse audiences in a variety of formats.</p> 
<p>13</p> <p>11:00 AM - 12:00 PM</p>		<h3>Workshop on Optical Illusions in 3D at the City of Knowledge</h3> <p>On Sunday, October 13th, 2024 we ran a workshop on optical illusions in 3D aimed at 12 year olds and above at the Building 181 of the City of Knowledge, Panama City. This in-person workshop was given by our Fulbright scholar Annalisa Crannell.</p> 
<p>15</p> <p>11:00 AM - 12:00 PM</p>		<h3>Workshop on Optical Illusions in 3D for the University of Panama</h3> <p>On Tuesday, October 15th, 2024 we were invited to run a workshop on optical illusions in 3D aimed at students and teachers of the Math Department of the University of Panama. This in-person workshop was given by our Fulbright scholar Annalisa Crannell and took place at the Bernardo Lombardo Auditorium (A11) of the University of Panama.</p> 
<p>17</p> <p>5:00 PM - 6:00 PM</p>		<h3>Webinar on That story is missing a piece</h3> <p>The Webinar on That story is missing a piece took place on Thursday, October 17th, 2024 from 5 pm until 6 pm, with Martha Mosquera, Research Professor at the Education Department of the South Colombian University, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker shared about the division of fractions in real life contexts in a simple and accessible way to a general audience. Martha Mosquera described a geometric example starting from a tangram and a numerical example referring to the salaries of a company.</p> 

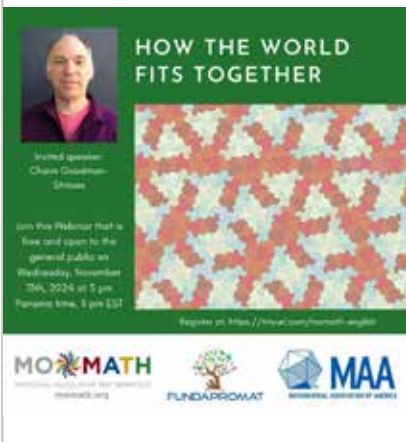
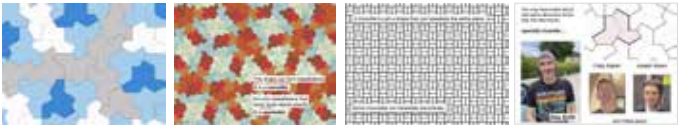



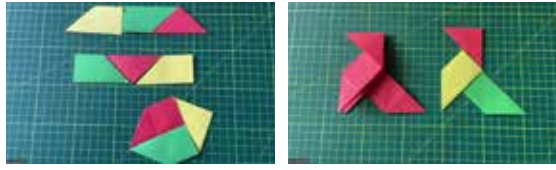
# OCTOBER 2024

<p>18</p> <p>8:00 AM - 1:00 PM</p>	<p><b>Stand de FUNDAPROMAT en el Foro de Acción Sostenible</b></p> 	<p><b>FUNDAPROMAT Stand at the Sustainable Action Forum</b></p> <p>On Friday, October 18th, 2024 we were invited by the Chamber of Multinational Business Sites (CASEM) to have a stand from 8 am until 1 pm at the Sustainable Action Forum with fun math activities. This in-person event took place at the Convention Center of PH Dream Plaza in Costa del Este.</p> 
<p>19</p> <p>10:00 AM - 1:00 PM</p>	<p><b>CARNAVAL DE MATEMÁTICAS EN COCLE</b></p> 	<p><b>Math Carnival in Cocle</b></p> <p>On Saturday, October 19th, 2024 from 10 am until 1 pm we ran our first Math Carnival in the Province of Cocle full of fun math activities for all ages. This free in-person event for the entire family highlighted the Panamanian female mathematicians Ossiris Alveo, Dalis Moran and Damaris Vergara and took place at the John Y. Keffer Auditorium of the Academia Forum Foundation in El Caimito, Penonome, Province of Cocle.</p> 
<p>20</p> <p>10:00 AM - 11:30 PM</p>	<p><b>Stand de FUNDAPROMAT en la Competencia Nacional de WheelMinds</b></p> 	<p><b>FUNDAPROMAT Stand at the WheelMinds National Competition 2024</b></p> <p>On Sunday, October 20th, 2024 we were invited to have a stand from 10 am until 11:30 am at the WheelMinds National Competition 2024 with fun math activities. This in-person event took place at the Marriott Panama Hotel in Albrook Mall.</p> 
<p>22</p> <p>7:00 PM - 9:00 PM</p>	<p><b>MATHSJAM</b></p> 	<p><b>MathsJam in Panama #19</b></p> <p>On Tuesday, October 22nd, 2024 from 7 pm until 9 pm the MathsJam in Panama took place, in which math enthusiasts who are 18 years old and above enjoyed exploring board games and interesting math puzzles in a pleasant environment where they had the opportunity to interact with other like-minded people. This in-person event, which is only for adults, took place in the bar La Rana Dorada of Condo del Rey, Panama City.</p> 

# OCTOBER - NOVEMBER 2024

<p>24</p> <p>5:00 PM - 6:00 PM</p>		<h3>Webinar on Tessellations, Triangles and a Rebellious Algorithm</h3> <p>The Webinar on Tessellations, Triangles and a Rebellious Algorithm took place on Thursday, October 24th, 2024 from 5 pm until 6 pm, with Constanza Del Campo, Adjunct Professor at the Math Department of the Pontifical Catholic University of Chile and Organizer of the Math Club of the Department, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker started the virtual event by explaining what a tessellation is and showing several examples of tessellations in different cultures. Constanza Del Campo then described what periodic and aperiodic tessellations are and highlighted Penrose tilings. The speaker also mentioned that in 2023 a mathematical discovery took place of a new geometric shape called "The Hat" that tessellates the plane aperiodically.</p> 
<p>26</p> <p>10:00 AM - 11:00 AM</p>		<h3>Virtual Origami Class #110</h3> <p>The Virtual Origami Class #110 took place on Saturday, October 26th, 2024 from 10 am until 11 am, with the origami artist David Medina as our invited speaker. This virtual event was free and open to the general public.</p> <p>For this class, participants needed one 15 cm x 15 cm paper square and one black marker. David Medina then taught how to fold a pumpkin, which is a traditional origami model. This origami design is appropriate for 8-year-olds and above.</p> 
<p>31</p> <p>11:00 AM - 12:00 PM</p>		<h3>Workshop on Optical Illusions in 3D for the School for International Training</h3> <p>On Thursday, October 31st, 2024 we were invited to run a workshop on optical illusions in 3D aimed at a group of United States students of the School for International Training (SIT Panama). This in-person workshop was given by our Fulbright scholar Annalisa Crannell and took place at the Building 224 of the City of Knowledge, Panama City.</p> 
<p>2</p> <p>10:00 AM - 11:30 AM</p>		<h3>Math Jamboree #109</h3> <p>The Math Jamboree #109 took place on Saturday, November 2nd, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #109, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «Victoria and Bernardo's Garden» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Romina Busain and Julieta Parravicini for designing this activity for FUNDAPROMAT.</p> 

# NOVEMBER 2024

<p>13</p> <p>5:00 PM - 6:00 PM</p>		<p><b>Math Webinar in English with MoMath</b></p> <p>The Math Webinar in English with MoMath took place on Wednesday, November 13th, 2024 from 5 pm until 6 pm with Chaim Goodman-Strauss, Outreach Mathematician at MoMath in New York City, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this Math Webinar in English, Chaim Goodman-Strauss presented on “How the World Fits Together.” The speaker shared about the mathematical discovery that took place last year in which Dave Smith discovered a new geometric shape known as “The Hat” which tessellates the plane aperiodically. Chaim Goodman-Strauss described how he and mathematicians Craig Kaplan and Joseph Myers were involved with this great discovery. The speaker then presented on MoMath’s Rosenthal Prize for Innovation and Inspiration in Math Teaching and also showed the winners of MoMath’s Einstein Mad Hat Awards. This virtual event was co-organized by the Mathematical Association of America (MAA) and the National Museum of Mathematics (MoMath) in New York City.</p> 
<p>14</p> <p>5:00 PM - 6:00 PM</p>		<p><b>Webinar on Math Legends</b></p> <p>The Webinar on Math Legends took place on Thursday, November 14th, 2024 from 5 pm until 6 pm, with Diana Bueno, Professor of Mathematics at the Pontifical Javeriana University Cali Section in Colombia, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker shared three mathematical legends: Caesar cipher, Hanoi towers and Konigsberg bridges. Diana Bueno also explained what a graph is and what graphs are currently used for and connected recursion and recurrence relations with epidemiology, fractals and investments. The speaker then described how information theory is related to cryptography, steganography and error correcting codes.</p> 
<p>15</p> <p>12:00 PM - 1:00 PM</p>		<p><b>Origami Workshop for the Pro Children’s Dining Rooms Foundation</b></p> <p>On Friday, November 15th, 2024 we were invited by the Faro Foundation to run an origami workshop for the kids of the Pro Children’s Dining Rooms Foundation in Villa Cardenas. This Foundation seeks to offer opportunities of development to kids and adolescents in condition of poverty by giving support in comprehensive care, nutrition and education.</p> 
<p>16</p> <p>10:00 AM - 11:00 AM</p>		<p><b>Virtual Origami Class #111</b></p> <p>The Virtual Origami Class #111 took place on Saturday, November 16th, 2024 from 10 am until 11 am, with the origami artist David Medina as our invited speaker. This virtual event was free and open to the general public.</p> <p>For this class, participants needed three 15 cm x 15 cm paper squares and scissors. David Medina then taught how to fold a Pajarita Puzzle, which is an origami model created by the speaker. This origami design is appropriate for 8-year-olds and above. This was FUNDAPROMAT’s last Virtual Origami Class of 2024.</p> 





# NOVEMBER 2024

<p>17</p> <p>2:00 PM - 4:00 PM</p>	<p><b>Stand de FUNDAPROMAT en el Concurso Nacional de Oratoria 2024</b></p> 	<p><b>FUNDAPROMAT Stand at the National Speech Competition 2024</b></p> <p>On Sunday, November 17th, 2024 we were invited by the Mas Movil Foundation to have a stand from 2 pm until 4 pm at the National Speech Competition 2024 with fun math activities. This Competition took place at the Atlapa Convention Center, Panama City, and was organized by the company Mas Movil, the Savings Bank and the Ministry of Education (MEDUCA) of Panama.</p> 
<p>19</p> <p>8:00 PM - 3:00 PM</p>	<p><b>Stand de FUNDAPROMAT en el Innova Nation Summit 2024</b></p> 	<p><b>FUNDAPROMAT Stand at the Innova Nation Summit 2024</b></p> <p>On Tuesday, November 19th, 2024 we were invited by Innova Nation to have a stand from 8 am until 3 pm at the Innova Nation Summit 2024 with fun math activities. This in-person event took place at the Convention Center of the City of Knowledge. Innova Nation seeks to provide 8 to 18 year-old kids practical learning experiences that foster their creativity, critical thinking and problem-solving skills.</p> 
<p>20</p> <p>5:00 PM - 6:00 PM</p>	<p><b>Inteligencia Artificial para Juegos</b></p> 	<p><b>Webinar on Artificial Intelligence for Games</b></p> <p>The Webinar on Artificial Intelligence for Games took place on Wednesday, November 20th, 2024 from 5 pm until 6 pm, with Saul Blanco, Professor of Mathematics at the University of Indiana, as our invited speaker. This virtual event was free and open to the general public.</p> <p>The invited speaker shared on artificial intelligence that has been applied to games for a long time, such as Chess, Go and Pacman. Saul Blanco then described a brief history of the use of artificial intelligence in games and explained several algorithms that are used like Minimax and the problem of coloring maps.</p> 
<p>21</p> <p>5:00 PM - 6:00 PM</p>	<p><b>A MATHEMATICAL JOURNEY THROUGH LITERATURE</b></p> 	<p><b>Forty-Second Math Webinar in English</b></p> <p>The forty-second Math Webinar in English took place on Thursday, November 21st, 2024 from 5 pm until 6 pm with Sarah Hart, Professor Emerita of Mathematics at Birkbeck College, University of London, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this forty-second Math Webinar in English, Sarah Hart presented on "A Mathematical Journey Through Literature." The speaker described mathematical ideas used in literature, mentioned several hidden mathematical structures in poetry and novels, and presented examples on metaphors and symbolism in children's fairytales and other literary works. Sarah Hart then showed that not only are mathematics and literature intrinsically linked, but also understanding these connections can enhance our enjoyment of both. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 






# NOVEMBER - DECEMBER 2024

<p>23</p> <p>10:00 AM - 12:00 PM</p>	 <p><b>Fiesta MATEMÁTICA</b></p> <p>Sábado 23 de noviembre de 2024 10:00 a.m. a 12:00 m. CEBGB Gabriel Lewis Galindo</p> <p>FUNDAPROMAT</p>	<p><b>Math Party with the Gabriel Lewis Galindo Foundation</b></p> <p>On Saturday, November 23rd, 2024 we were invited by the Gabriel Lewis Galindo Foundation to run a Math Party at the Gabriel Lewis Galindo Bilingual Education Center in San Miguelito, Panama City. This free in-person event for the entire family included fun math activities accessible for all ages.</p> 
<p>26</p> <p>2:30 PM - 3:30 PM</p>	 <p><b>Taller para la Organización Nueva Generación</b></p> <p>El pasado martes 26 de noviembre de 2024 fuimos invitados por la Fundación Faro a realizar un taller de matemáticas divertidas con enfoque para los juveniles de la Organización Nueva Generación en el Centro de Atención Infantil Barroa en El Chorrillo.</p> <p>FUNDAPROMAT</p>	<p><b>Origami Workshop for the New Generation Organization</b></p> <p>On Tuesday, November 26th, 2024 we were invited by the Faro Foundation to run an origami workshop for the kids of the New Generation Organization at the Barraza Child Care Center in El Chorrillo, Panama City.</p> 
<p>26</p> <p>5:00 PM - 6:00 PM</p>	 <p><b>ENCUENTRO VIRTUAL CON MATEMÁTICOS SOBRESALIENTES</b></p> <p>Expositora invitada: Astrid Acosta, Licenciada en Docencia y Tutora de Matemáticas en Panamá Oeste Temas: Matemáticas en Acción; Juegos y Retos para Pensar</p> <p>Este evento virtual es gratis y abierto a todo público</p> <p>FUNDAPROMAT</p> <p>Fecha: martes 26 de noviembre de 2024. Hora: 5:00 p.m. Inscríbete en el link: <a href="https://tinyurl.com/encuentro47">https://tinyurl.com/encuentro47</a></p>	<p><b>Forty-Seventh Virtual Encounter with Outstanding Mathematicians</b></p> <p>The forty-seventh Virtual Encounter with Outstanding Mathematicians took place on Tuesday, November 26th, 2024 from 5 pm until 6 pm. Astrid Acosta, Bachelor in Education and Math Tutor in West Panama, was our invited speaker. This virtual event was free and open to the general public.</p> <p>On this forty-seventh Encounter, Astrid Acosta shared anecdotes of her personal life and her professional journey as a female mathematician. The speaker also presented on “Math in Action: Games and Puzzles to Think.” In this virtual event, Astrid Acosta explored how to apply mathematical concepts in a fun way through games such as “<a href="#">Like Dogs and Cats</a>” and “<a href="#">Secret Messages</a>». The speaker encouraged the participants to develop mathematical and strategic skills through these puzzles, while enjoying themselves by playing.</p> 
<p>2</p> <p>9:00 AM - 11:00 AM</p>	 <p><b>Stand de FUNDAPROMAT en el Consulado de Colombia en Panamá</b></p> <p>El pasado lunes 2 de diciembre de 2024 fuimos invitados por Colombia Nos Une a compartir con grandes y pequeños en el Consulado de Colombia en Panamá, ubicado en el PH Posada del Rey en Paitilla.</p> <p>Colombia Nos Une</p> <p>FUNDAPROMAT</p>	<p><b>FUNDAPROMAT Stand at the Colombian Consulate in Panama</b></p> <p>On Monday, December 2nd, 2024 we were invited by Colombia Unites Us to have a stand from 9 am until 11 am at the Colombian Consulate in Panama with fun math activities. This in-person event took place at the PH Posada del Rey in Paitilla, Panama City.</p> 

# DECEMBER 2024

<p>4</p> <p>1:00 PM - 2:00 PM</p>	<p><b>Taller para la Fundación Senderos</b></p> <p>El pasado miércoles 4 de diciembre de 2024 fuimos invitados por la Fundación Faro a realizar un taller de matemáticas divertidas con origami para los niños y jóvenes de la Fundación Senderos en el Conector Infantil de Curundu.</p>  	<p><b>Origami Workshop for the Senderos Foundation</b></p> <p>On Wednesday, December 4th, 2024 we were invited by the Faro Foundation to run an origami workshop for kids and teenagers of the Senderos Foundation at the Children's Dining Room in Curundu, Panama City.</p>   
<p>4</p> <p>5:00 PM - 6:00 PM</p>	<p><b>SCALING LIZARDS AND SEEING RECTANGLES</b></p> <p>Invited speaker Josh Laison</p> <p>Join this Webinar that is free and open to the general public on Wednesday, December 4th, 2024 at 5 pm Panama Time, 5 pm EST</p>  <p>Register at: <a href="https://polyd.com/math-english43">https://polyd.com/math-english43</a></p>  	<p><b>Forty-Third Math Webinar in English</b></p> <p>The forty-third Math Webinar in English took place on Wednesday, December 4th, 2024 from 5 pm until 6 pm with Josh Laison, Professor of Mathematics at Willamette University in Oregon, United States, as our invited speaker. This virtual event was free and open to the general public.</p> <p>In this forty-third Math Webinar in English, Josh Laison presented on “Scaling Lizards and Seeing Rectangles.” The speaker started the virtual event by explaining what a graph is, what graphs are used for and what geometric graphs, intersection graphs and visibility graphs are. Josh Laison then presented three research projects that he worked on with his university students related to geometric graph theory based on puzzles. The speaker also described what a lizard intersection graph is, what a corner rectangle visibility graph is and what a minimal rectangle visibility graph is. This virtual event was co-organized by the Mathematical Association of America (MAA).</p> 
<p>6</p> <p>10:00 AM - 2:00 PM</p>	<p><b>Festival MATEMÁTICO Internacional</b></p> <p>Venero 6 de diciembre de 2024 10:00 a.m. - 2:00 p.m. Hotel Marriott Panama en Albrook Mall, Piso 2, Sala Interoceano</p> 	<p><b>International Math Festival Celebrating our Fifth Anniversary</b></p> <p>On Friday, December 6th, 2024 from 10 am until 2 pm our International Math Festival celebrating our Fifth Anniversary took place at the Veraguas Room, Second Floor, Marriott Panama Hotel in Albrook Mall, Panama City. This free in-person event for the entire family included the participation of the National Secretariat of Science, Technology and Innovation of Panama (SENACYT), the Smithsonian Tropical Research Institute (STRI), the Explora Sciences and Art Center, Ciencia en Panama/EducationUSA, the Panamanian Chess Federation, the Panamanian Scrabble Association, Orfeo's Productions, INDICASAT AIP, CENAMEP AIP, INFOPLAZAS AIP and COIBA AIP.</p> 
<p>7</p> <p>9:00 AM - 12:30 PM</p>	<p><b>Talleres de Matemagia para la Embajada de España en Panamá</b></p> <p>El pasado sábado 7 de diciembre de 2024 nuestro voluntario Rafa Oliver, proveniente de España, realizó dos talleres de matemagia para niños de la Junta Comunal de San Felipe en el Centro Cultural de España - Casa del Soldado en Casco Antiguo. Estos talleres presenciales fueron patrocinados por la Embajada de España en Panamá.</p>    	<p><b>Mathemagic Workshops for the Embassy of Spain in Panama</b></p> <p>On Saturday, December 7th, 2024 our volunteer Rafa Oliver from Spain gave two mathemagic workshops for kids of the San Felipe Community Council at the Cultural Center of Spain in Casco Antiguo, Panama City. These in-person workshops were sponsored by the Embassy of Spain in Panama.</p> 

# DECEMBER 2024

<p>10</p> <p>4:00 PM - 6:00 PM</p>		<p><b>FUNDAPROMAT Stand at the Christmas Workshop of the First Lady's Office</b></p> <p>On Tuesday, December 10th, 2024 we were invited to have a stand from 4 pm until 6 pm at the Christmas Workshop of the First Lady's Office with fun math activities. This in-person event took place at the Santiago Room of the Omar Recreational Park, Panama City.</p> 
<p>14</p> <p>10:00 AM - 11:30 AM</p>		<p><b>Math Jamboree #110</b></p> <p>The Math Jamboree #110 took place on Saturday, December 14th, 2024 from 10 am until 11:30 am. A Jamboree is a joyful and loud celebration or party. The Math Jamboree is an opportunity for the entire family to enjoy exploring the beauty and richness of mathematics by sharing their ideas on the recreational activity that we present during the virtual event.</p> <p>In this Math Jamboree #110, participants were separated into groups depending on whether they are kids or adults and explored the interactive activity called «<a href="#">Binary Sudoku</a>» in an environment of collaboration and a lot of fun. This virtual event was free and open to the general public. We thank Julieta Parravicini for designing this activity for FUNDAPROMAT. This was our last Math Jamboree of 2024.</p> 
<p>18</p> <p>6:00 PM - 8:00 PM</p>		<p><b>FUNDAPROMAT Stand at the Expo Design 12.0</b></p> <p>On Wednesday, December 18th, 2024 we were invited by the Ganexa University of Art to have a stand from 6 pm until 8 pm at the Expo Design 12.0 with fun math activities. This in-person event took place at the Galleria Room of the Ganexa University of Art, Panama City.</p> 