



# Happy 2024

FROM  
TEAM

PRIMECH

[www.primech.nl](http://www.primech.nl)



## PRIMECH EVENT

### Alligator Tank

On June 16, 2023, PRIMECH's year-end vrijmibo featured the launch of "Accelerate", a tailored support program for mechanics teachers. Participants engaged in a card game, generating education innovation ideas based on random requirements.

Participants engaged in a card game, generating education innovation ideas based on random requirements. Interested to know more?

You can find the cards and more about the Accelerate project on our website.

# January

	Ma	Di	Wo	Do	Vr	Za	Zo
1	1 New Year's Day	2	3	4	5	6	7
2	8	9	10	11	12	13	14
3	15	16	17	18 PRIMECH EVENT	19	20	21
4	22	23	24	25	26	27	28
5	29	30	31				

# GUESS WHO??

In ages past, a genius did reside,  
Math and mechanics were his pride.  
Buoyancy, screws, and levers,  
his fame grew more,  
But spheres and cylinders,  
those he did adore.

When Roman soldiers stormed  
his city's shore,  
He clung to his math,  
forgot to flee the war.  
That day, for his love  
the genius did die.  
Who was this scholar,  
in brilliance, so high?



Flip the page  
to find out  
who this is!

# February

	Ma	Di	Wo	Do	Vr	Za	Zo
5				1	2	3	4
6	5	6	7	8	9	10	11
7	12	13	14 Valentine's Day	15	16	17	18
8	19	20	21	22	23	24	25
9	26	27	28	29			

PRIMECH  
EVENT

PRIMECH

PRIMECH





## DEMONSTRATION TIPS



It took the engineers 3 years to create this. A beautiful example on how curiosity can help you powering through!



Scan the QR code  
to watch the video



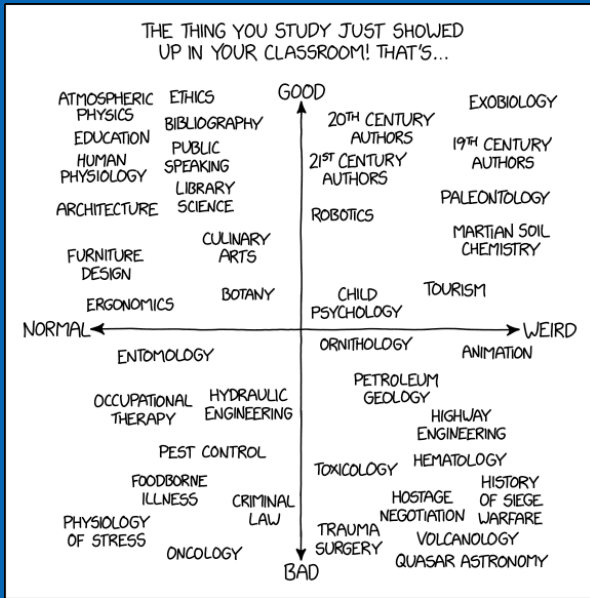
# March

	Ma	Di	Wo	Do	Vr	Za	Zo
9					1	2	3
10	4	5	6	7	8	9	10
11	11	12	13	14	15	16	17
12	18	19	20	21	22	23	24
13	25	26	27	28	29 Good Friday	30	31 Easter Sunday

THERE'S AN XKCD  
FOR THAT!

Find more  
on [xkcd.com](http://xkcd.com)

# April



	Ma	Di	Wo	Do	Vr	Za	Zo
14	1 Easter Monday	2	3	4	5	6	7
15	8	9	10	11	12	13	14
16	15	16	17 PRIMECH EVENT	18	19	20	21
17	22	23	24	25	26	27 King's Day	28
18	29	30					



## PRIMECH EVENT

### Formative Assessments

On March 16, 2023, PRIMECH explored Mechanics formative assessment with ANS. Tom van Woudenberg and Calvin Rans emphasized self-assessment and an 'honest attempt at solving exercises' approach, providing valuable insights to the community.



Scan the QR code to see the presentation

	Ma	Di	Wo	Do	Vr	Za	Zo
18			1	2	3	4	5 Liberation Day
19	6	7	8	9 Ascension Day	10	11	12
20	13	14	15	16 PRIMECH EVENT	17	18	19 Whit Sunday
21	20 Whit Monday	21	22	23	24	25	26
22	27	28	29	30	31		

# GUESS WHO??

My love for Archimedes sparked my math's plan:  
Lagrange my teacher, and Gauss  
a friend so grand.  
But as Monsieur LeBlanc I had to disguise,  
If at the École Polytechnique I wanted to strive.

When French troops invaded Gauss's city's gate,  
I feared he'd die like Archimedes, tragic fate.  
To save him, my true name I had confessed,  
He was astonished, by my courage impressed.

In 1816, the prestigious Paris Academy's  
prize I did win,  
The study of elastic surfaces vibrations,  
I would begin.  
With Lagrange's calculus,  
my mathematical flame,  
I am a woman in mechanics,  
can you guess my name?



↑  
Flip the page  
to find out  
who this is!

# June

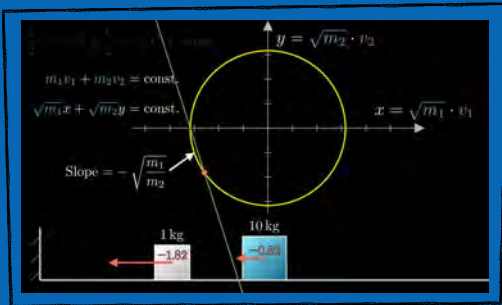
	Ma	Di	Wo	Do	Vr	Za	Zo
22						1	2
23	3	4	5	6	7	8	9
24	10	11	12	13	14 PRIMECH EVENT	15	16
25	17	18	19	20	21	22	23
26	24	25	26	27	28	29	30

PRIMECH



# DEMONSTRATION TIPS

How do the use of 'conservation of energy' and the 'conservation of momentum' in colliding blocks lead to pi?



Scan the QR code to watch the video



PI(E) IS THE

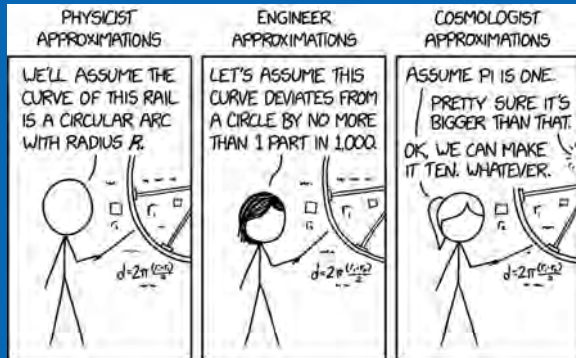


ANSWER

# July

	Ma	Di	Wo	Do	Vr	Za	Zo
27	1 Keti Koti	2	3	4	5	6	7
28	8	9	10	11	12	13	14
29	15	16	17	18	19	20	21
30	22	23	24	25	26	27	28
31	29	30	31				

THERE'S AN XKCD  
FOR THAT!



Find more  
on [xkcd.com](http://xkcd.com)

# August

	Ma	Di	Wo	Do	Vr	Za	Zo
31				1	2	3	4
32	5	6	7	8	9	10	11
33	12	13	14	15	16	17	18
34	19	20	21	22	23	24	25
35	26	27	28	29	30	31	



# September

## PRIMECH EVENT

### Gamification

On April, 2023, PRIMECH's event focused on gamification in large bachelor courses, featuring Otto Visser from EEMCS.

Otto shared experiences of how using gamification in his course boosted engagement, motivation, and increased passing rates. He tailored activities for four student types and provided practical tips for implementing gamification in TU Delft.

	Ma	Di	Wo	Do	Vr	Za	Zo
35							1
36	2	3	4	5	6	7	8
37	9	10	11	12	13	14	15
38	16	17	18	19	20	21	22
39	23	24	25	26	27	28	29
40	30						



Scan the QR code to see the presentation



# GUESS WHO??

I'm a name on the Eiffel Tower's grand display,  
In continuum mechanics, I made my own way.  
A mechanical engineer who roads  
and bridges would create,  
A usable general theory of elasticity  
I did formulate,  
And zero stress, elastic modulus,  
Galileo's errors, I set straight.

In fluid mechanics, I left my profound mark,  
With equations named after me, a true hallmark.  
Who am I, the modern structural  
analysis founder?  
Guess my name, and you'll find wonder.

↑  
Flip the page  
to find out  
who this is!



# October

	Ma	Di	Wo	Do	Vr	Za	Zo
40		1	2	3	4	5	6
41	7	8	9	10	11	12	13
42	14	15	16	17	18	19	20
43	21	22	23	24	25	26	27
44	28	29	30	31			

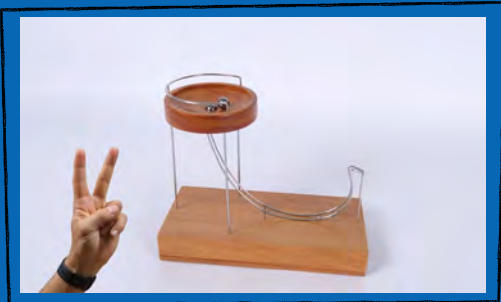
# PRIMECH



## DEMONSTRATION TIPS



This "perpetual motion" device is really clever and a nice example of how to grab the intention, make it transparent and explain!



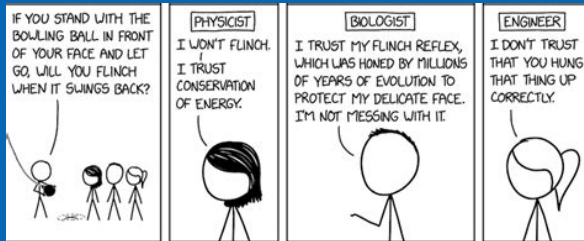
Scan the QR code to watch the video



# November

	Ma	Di	Wo	Do	Vr	Za	Zo
44					1	2	3
45	4	5	6	7	8	9	10
46	11	12	13	14	15	16	17
47	18	19	20	21	22	23	24
48	25	26	27	28	29	30	

THERE'S AN XKCD  
FOR THAT!



Find more  
on [xkcd.com](http://xkcd.com)

# December

	Ma	Di	Wo	Do	Vr	Za	Zo
48							1
49	2	3	4	5 Sinterklaas	6	7	8
50	9	10	11	12	13	14	15
51	16	17	18	19	20	21	22
52	23	24 Christmas Eve	25 Christmas Day	26 Second Day of Christmas	27	28	29
1	30	31					

# 2025

## January

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

## February

S	M	T	W	T	F	S
					1	
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

## March

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

## April

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

## May

S	M	T	W	T	F	S
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

## June

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

## July

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

## August

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

## September

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

## October

S	M	T	W	T	F	S
		1	2	3	4	
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

## November

S	M	T	W	T	F	S
					1	
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

## December

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

PRIMECH

