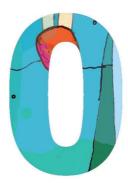


presents:

CALENDAR

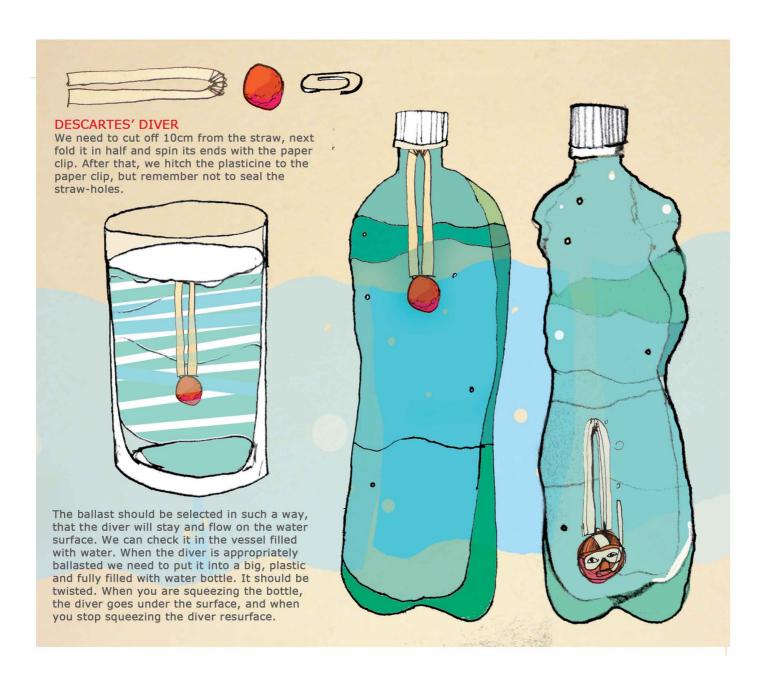








You will find here
12 proposals of interesting experiments in the field of:
mathematics, physics, biology and chemistry,
which can be seen during classes in the Centre
and performed on your own at home.



January

M	onday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		1	2	3	4	5	6
JM DDNICZYCH	7	8	9	10	11	12	13
JTRUM JK YRODN	14	15	16	17	18	19	20
CEN NAL PRZ	21	22	23	24	25	26	27
V	28	29	30	31			





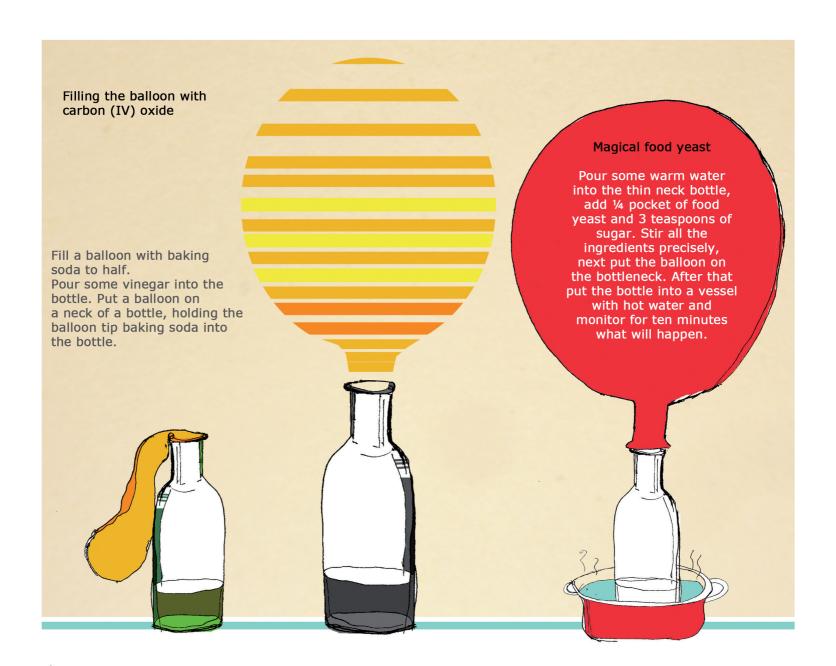




COLORFUL RAINBOWS ON A MILK
Pour some milk on a plate, just to cover the bottom of it.
Make some dots of a colorant or diluted poster paint.
First, you need to drown toothpick in dishwashing liquid,
next using it touch the colorful drops on a milk.
Colorful drops spread on a surface
are making colorful motives.

February

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					1	2	3
CZYCH	4	5	6	7	8	9	10
FRUM K RODNIC	11	12	13	14	15	16	17
CEN- NAU PRZY *Public	18	19	20	21	22	23	24
J	25	26	27	28			



March

	Mo	nday	Tuesday	Wednesday	Thursday	Friday 1	Saturday 2	Sunday 3
	ZYCH	4	5	6	7	8	9	10
RUM	RODNIC m Gimnazjum r	11	12	13	14	15	16	17
CENT	PRZYI w Publiczny	18	19	20	21	22	23	24
S		25	26	27	28	29	30	31



























RUBBER EGG

Drench fresh chicken egg in a jar with vinegar for about 24 hours. Next, pour the vinegar away from the jar, rinse an egg under water. You can decorate the egg according to your own idea.

April

Monday Tuesday Wednesday Thursday Friday Saturday Sunday CENTRUM NAUK PRZYRODNICZYCH w Publiczym Gimazjum 17 6 w Opolu



XYLEM STRUCTURE

Take the fresh stick of celery, cut a piece of it and put in a vessel full of water dyed in paint or pigment. After few hours take the stick out and dry it. On its cutting surface you will see clear drops in the places where dyed water reach xylem.

Into dyed water you can also put blooming stalk of white flowers (for about one day). Observe the color changes.

2013

May

	Monday		Tuesday	Wednesday Thursday		y Friday	Saturday	Sunday
				1	2	3	4	5
į	ZYCH nr 6 w 0polu	6	7	8	9	10	11	12
RUM KODNIC	13	14	15	16	17	18	19	
CENT	PRZY w Publiczn	20	21	22	23	24	25	26
		27	28	29	30	31		

DISAPPEARING HAT

Cover the left eye, and using the right one look at the fly. Move the card slowly towards your face, till the hat...disappear!



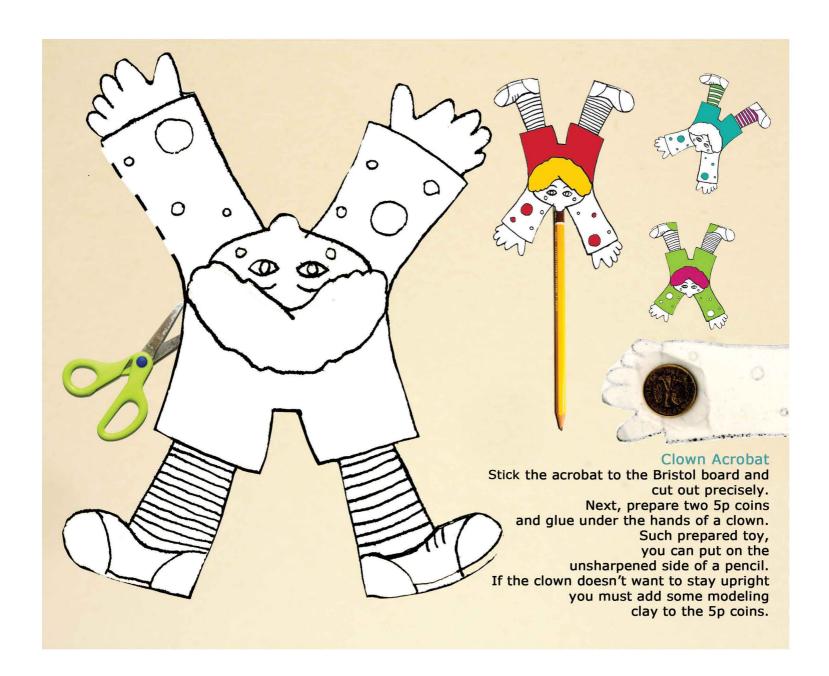


At a suitable distance, hat disappears, because its picture is located on retina in a place berefit of photoreceptors – it is called a blind spot. Repeat the experiment using your right eye.

2013

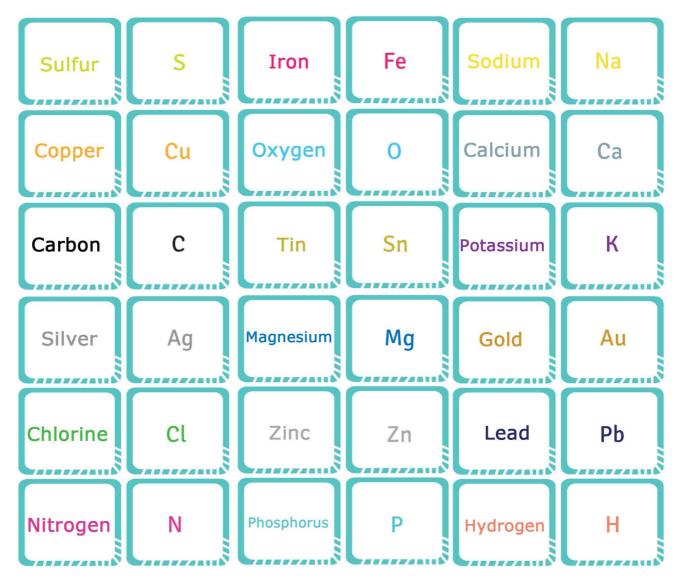
June

	Mor	iday	Tuesday	Wednesday	Thursday	Friday	Saturday 1	Sunday 2
	ZYCH	3	4	5	6	7	8	9
RUM	RODNICZYCH	10	11	12	13	14	15	16
CENT	PRZY	17	18	19	20	21	22	23
Ü		24	25	26	27	28	29	30



July

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
工意	1	2	3	4	5	6	7
A NICZYC nazjum nr 6 w 01	8	9	10	11	12	13	14
ENTRUM AUK RZYROD	15	16	17	18	19	20	21
	22	23	24	25	26	27	28
	29	30	31				



Stick these cards to the cardboard and cut along the lines. Spread them out upside down. Invite someone to play. Turn away 2 cards at the same time. Someone, who finds both (pair) – the symbol of an element and the full name of it take the cards. Someone who collect more pairs wins.

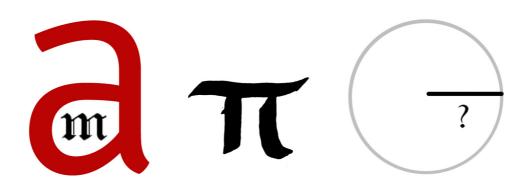
2013

August

	Monday Tuesda		Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					1	2	3	4
	CZYCH nnr 6 w Opolu	5	6	7	8	9	10	11
TRUM	/RODNI	12	13	14	15	16	17	18
CEN	PRZ	19	20	21	22	23	24	25
3		26	27	28	29	30	31	



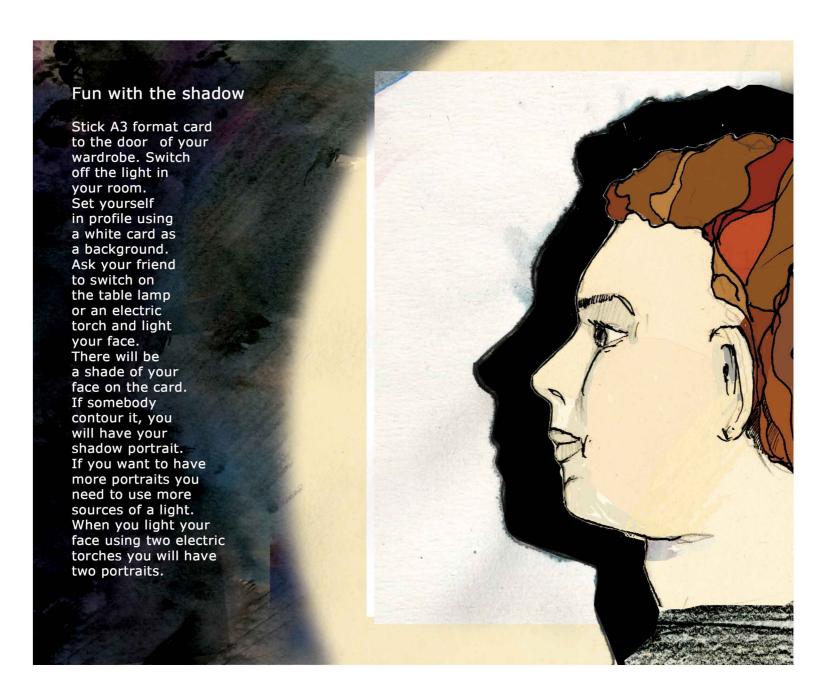
Solve the puzzle, scene from the film is a hint.



2013 September

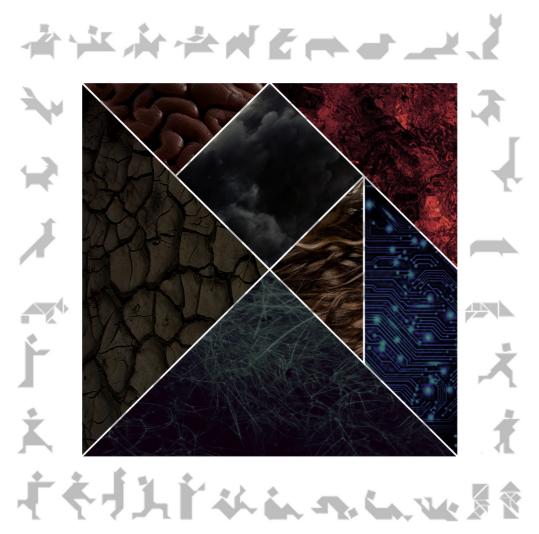
Monday Tuesday Wednesday Thursday Friday Saturday Sunday

8	7	6	5	4	3	2	CENTRUM NAUK PRZYRODNICZYCH W Publicznym Gimnazjum nr 6 w Opolu
15	14	13	12	11	10	9	JM DNIC
22	21	20	19	18	17	16	ENTRU AUK RZYRC
29	28	27	26	25	24	23	
					31	30	V



October

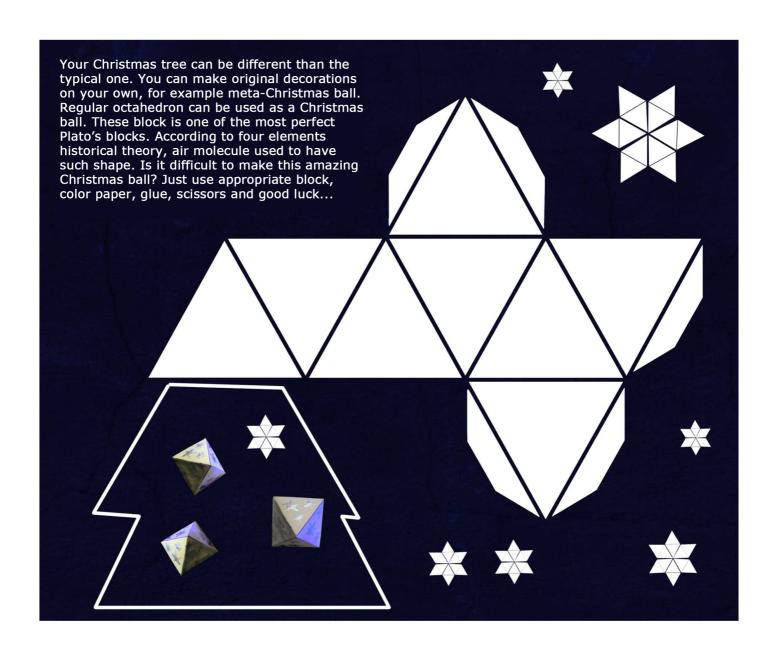
Mo	onday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
		1	2	3	4	5	6
NTRUM ,UK ZYRODNICZYCH siicznym Gimnazjum nr 6 w Opolu	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
NA PR	21	22	23	24	25	26	27
V	28	29	30	31			



The TANGRAM – Chinese puzzle, wich is known for about 3000 years. It is a square made from 7 pieces (tans). The aim of game is to make different geometric figures from an available pieces of a tangram, you need to use all of them (cut them from the template above). Parts must fit together, but they cannot overlap each other. Each piece of a tangram can be turn and rotate freely.

2013 November

M	onday	Tuesday Wednesday Thursday			Friday	Saturday	Sunday
					1	2	3
CZYCH 1 nr 6 w 0 polu	4	5	6	7	8	9	10
TRUM K //RODNICZ	11	12	13	14	15	16	17
O CENT	18	19	20	21	22	23	24
J	25	26	27	28	29	30	



2013 December

Monday Tuesday Wednesday Thursday Friday Saturday Sunday RZYRODNICZYCH Publicznym Gimnazjum nr 6 w Opolu