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LIGHT POLLUTION BOARD GAME

It is played by two to eight players in a group. It is played on a board with spaces like Taboo game board. The board has some spaces. There are question cards at different colors about light pollution. Green cards are bonus questions. They can choose them if they know the questions that are at the orange cards. Questions that are at the orange cards are wh- questions. Questions that are at pink and blue cards are yes/no questions and true/false questions.

The Objective of the Game/Rules

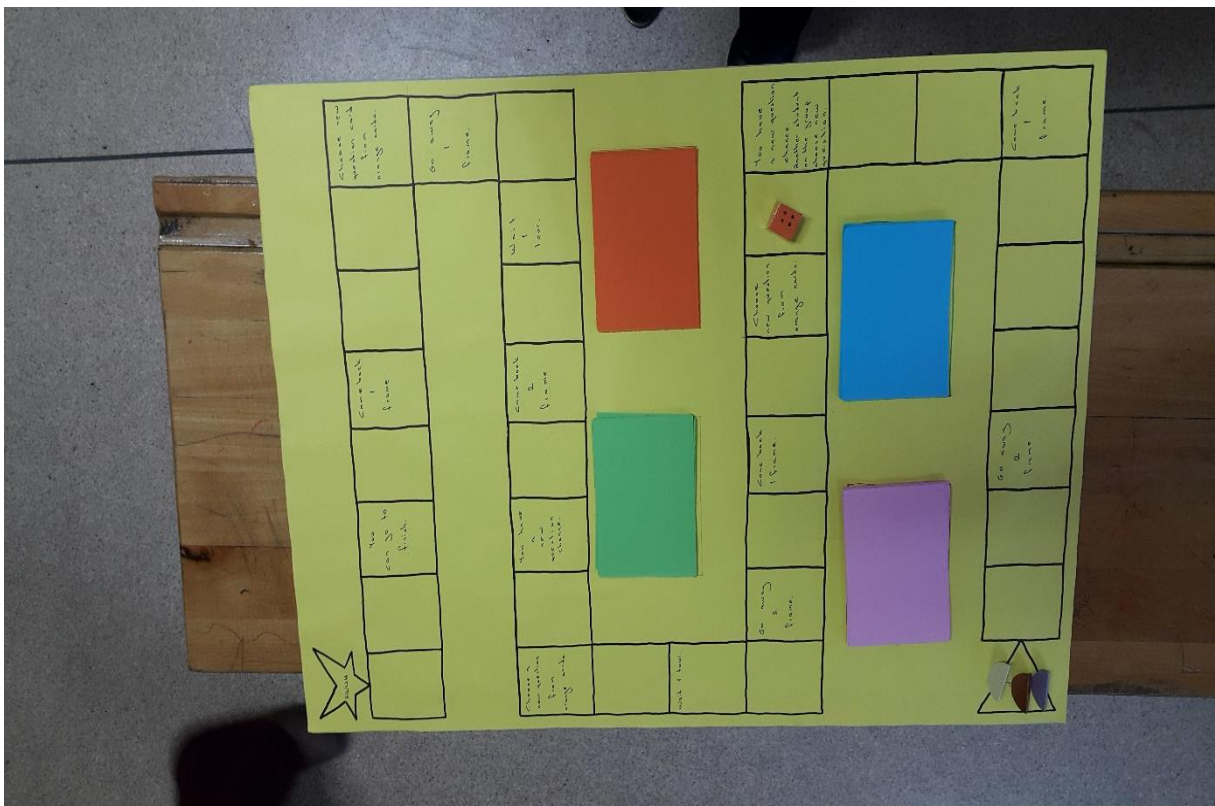
The object of the game is to save their planets from light pollution. The game starts when the teacher separates the class into groups. Each group symbolizes the different planets because aim of this game is recovering the planets from light pollution. One student from each group in turn throws the dice. The student with the highest total (his/ her group) starts the play firstly. The first student chooses one of the colorful cards. There is a question about light pollution. The instructions are written on the cards about what they will do when they know the answer or they don't know. Each space has also a direction. If they know the questions, the group goes away on the game board. If they don't know, they come back on the game board or don't move. According their answers, they apply the instructions on the

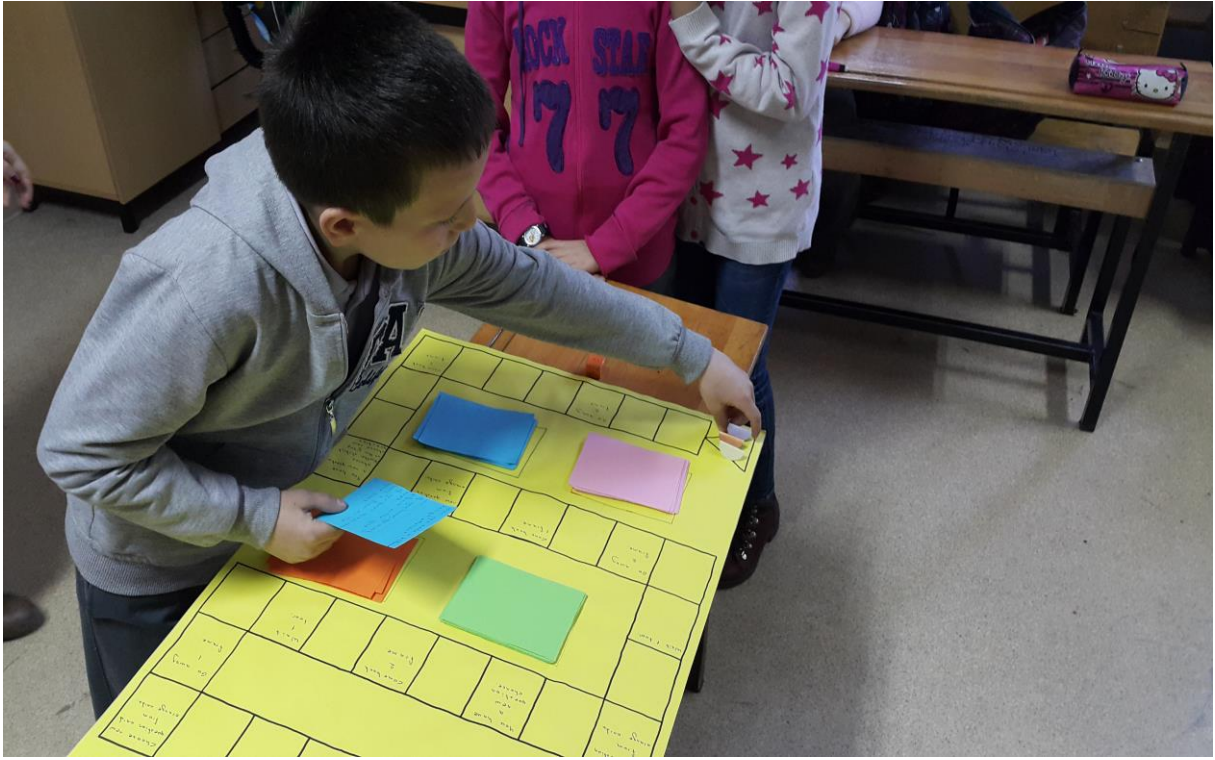
question cards. In addition to these, there are instructions on the game board for example “go away 2 frame, come back 1 frame, choose new questions from orange cards.” They apply them if they come these frames on the game board. Which group arrives the finish frame firstly will win the game and recover their planet from light pollution.

NOTE: We played this game in the class to check the rules it was really educational and enjoyable for students.

PHOTOS OF THE GAME

THE BOARD

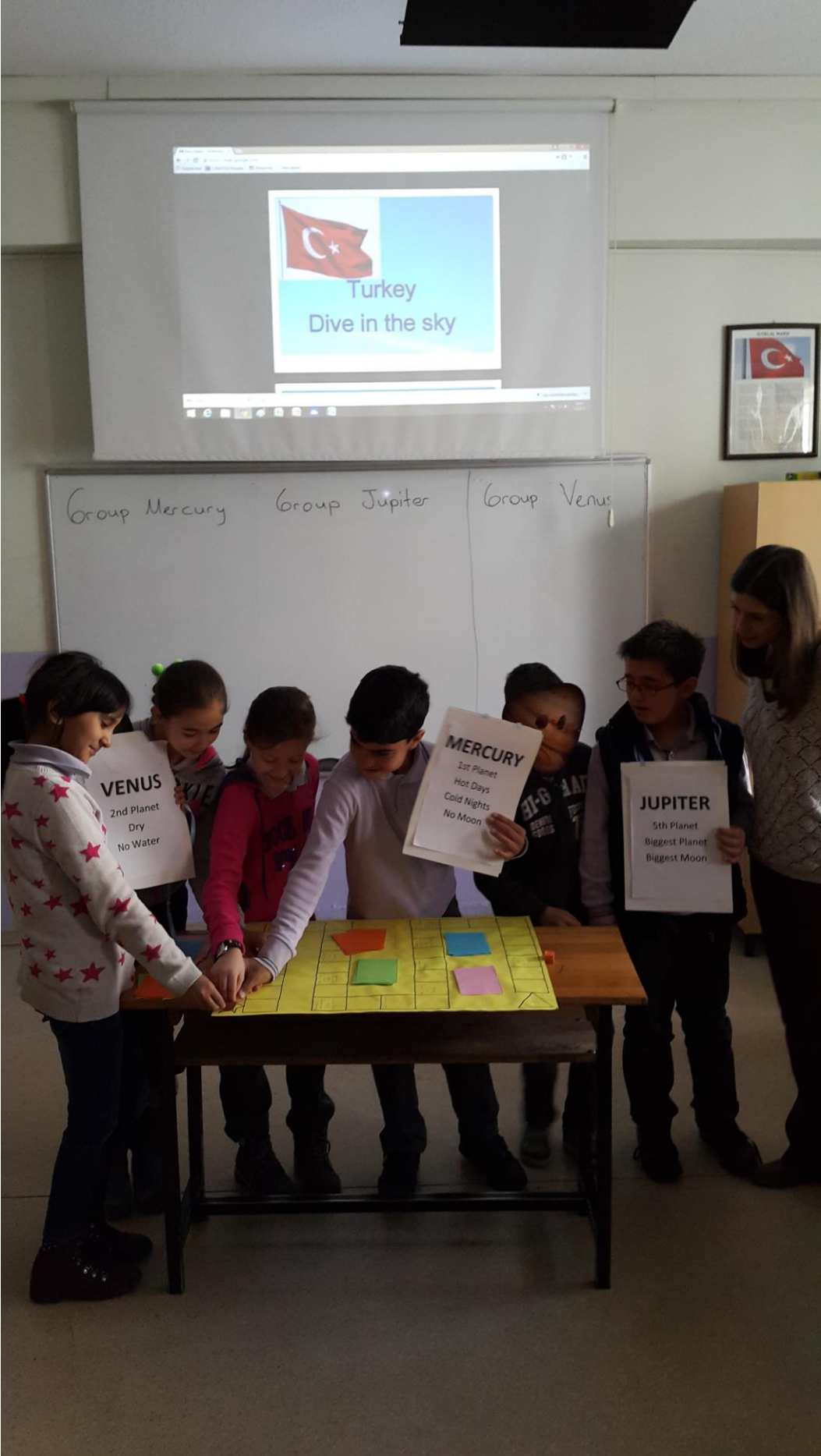












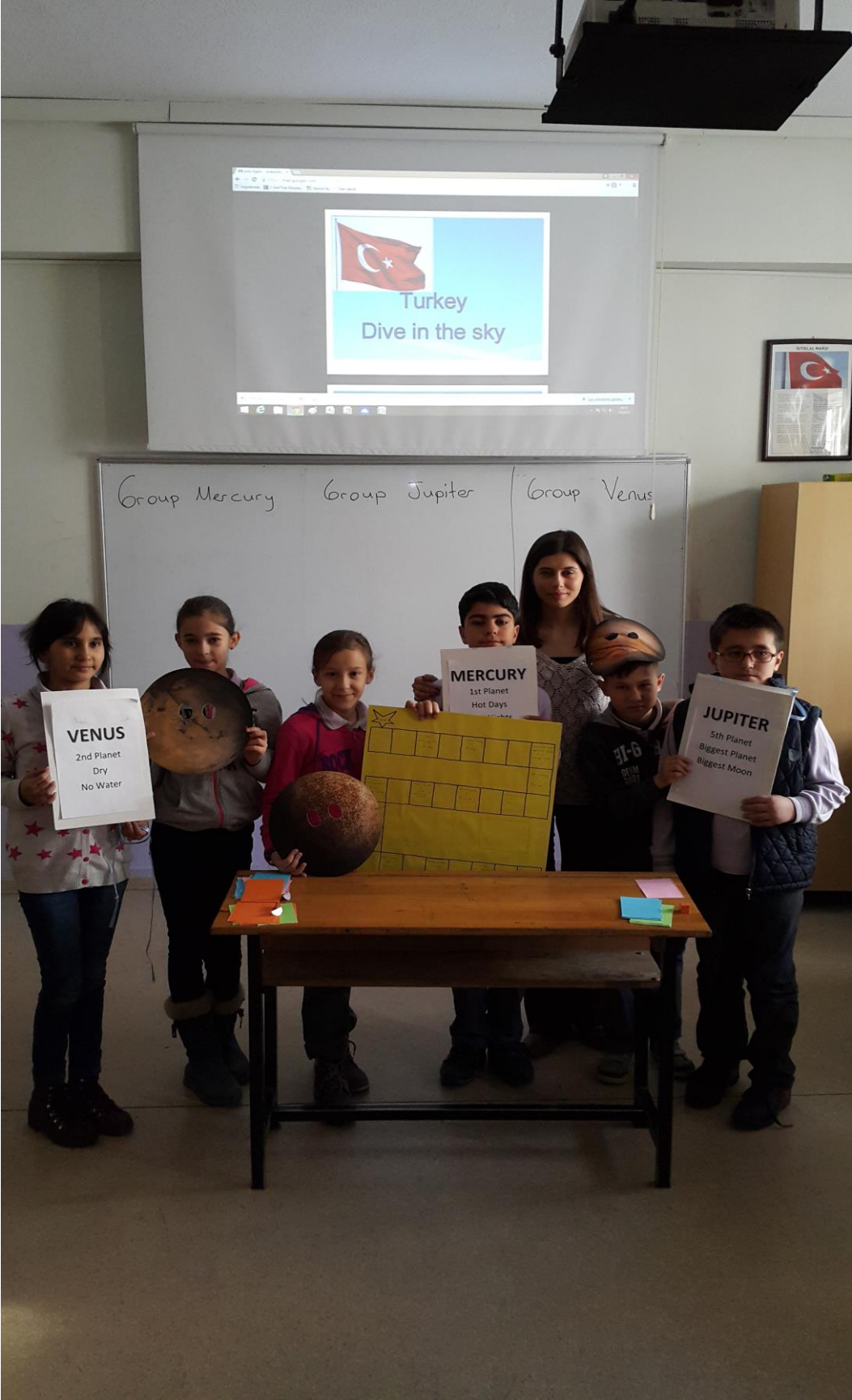
Turkey
Dive in the sky

Group Mercury Group Jupiter Group Venus

VENUS
2nd Planet
Dry
No Water

MERCURY
1st Planet
Hot Days
Cold Nights
No Moon

JUPITER
5th Planet
Biggest Planet
Biggest Moon



Does lightning make
night safe?

If you know, go away
2 frame on the game
board.

If you don't know, come
back 1 frame on the
game board.

Security lights should
be motion operated.
True or not?

If you know, go away
3 frame on the game
board.

If you don't know,
come back 1 frame
on the game board.

Can you make a difference
to light pollution?

If you know, go away
2 frame on the game
board.

If you don't know, come
back 1 frame on the
game board.

Do security lights
prevent crime?

If you know, go away
2 frame on the game
board.

If you don't know, come
back 1 frame on the
game board.

Slow case lightning
must use timers.
True or not?

If you know, go away
2 frame on the game
board.

If you don't know, don't
move.

Light pollution does not
affect astronomers?
True or not?

If you know, go away 1
frame on the board.

If you don't know, don't
move.

Should we use the
pitched illumination lamps?

If you know, go away
2 frame on the game
board.

If you don't know, don't
move.

Does light pollution
waste all resources
like energy, electric and
money?

If you know, go away
2 frame on the game
board.

If you don't know, don't
move.

If there is no light pollution, we can see our galaxy "Milky Way" clearly.

True or not?

If you know, go away
2 frame on the game board.

If you don't know, come
back 2 frame on the
game board.

Light pollution is not a threat for migratory birds. True or not?

If you know, go away
1 frame on the game board.

If you don't know, come
back 1 frame on the
game board.

Artificial lights at night don't disrupt the seasonal cycle of the trees? True or not?

If you know, go away
4 frame on the game
board.

If you don't know, come
back 2 frame on the
game board.

Street lights shouldn't exceed first floor height. True or not?

If you know, go away
3 frame on the game board.

If you don't know,
come back 1 frame
on the game board.

What are the components of light pollution?

If you know, you have a chance for choosing new bonus question.

If you don't know, stay there. Don't move.

Say 2 precautions to be taken against the light pollution?

If you know, you have a chance for choosing new bonus question.

If you don't know, come back 1 frame on the game board.

What are the consequences of light pollution?

If you know, you have a chance for choosing new bonus question.

If you don't know, come back 1 frame on game board.

What causes light pollution?

If you know, you have a chance for choosing new bonus question.

If you don't know, stay there. Don't move.

Can light pollution
be controlled?

If you know, go away
3 frame on the game board.

If you don't know, come
back 2 frame on the
game board.

Light pollution affects
sea turtles.

True or not?

If you know, go away
3 frame on the game
board.

If you don't know,
come back 2 frame
on the game board.

Does light pollution
affect the surrounding
ecological community?

If you know, go away 1
frame on the game board.

If you don't know, come
back 2 frame on the
game board.

Excessive lights doesn't
cause light pollution.
True or not?

If you know, go away 1
frame on the game board.

If you don't know, come
back 1 frame on the
game board.

Does it affect the
biological system of
human being?

If you know, go away
2 frame on the game
board.

If you don't know, come
back 1 frame on the
game board.

Light pollution is
excessive and inappropriate
artificial light.

True or not?

If you know, go away
3 frame on the game
board.

If you don't know, go
away 2 frame on the
game board.

Light pollution destroys wildlife, environment, health and human heritage.

True or not?

If you know, go away 2
frame on the game board.

If you don't know, don't
move.

Does light pollution
affect climate change?

If you know, go away 1
frame on the game board.

If you don't know, don't move

Light pollution has not
effect on all living
creature? True or not?

If you know, go away
2 frame on the game board

If you don't know, don't
move.

Does dazzling lights
endangers the driver and
pedestrian safety?

If you know, go away
2 frame on the game
board.

If you don't know, don't
move.

Some marine animals
nesting habits are in
danger because of
light pollution. True or
not?

If you know, go away
2 frame on game board.

If you don't know, don't
move.

Car lights are not one
of the main sources of
light pollution. True or not?

If you know, go away
1 frame on the game board.

If you don't know, don't
move.

Which elements of light pollution affect astronomers?

If you know, you have a chance for choosing new bonus question.

If you don't know, you stay there.

What is IDA?

If you know, you have a chance for choosing a new bonus question.

If you don't know, stay there. Don't move.

If you know, you have a chance for choosing new bonus questions.
If you don't know, come back 2 fare on the game board.

Where can I get more information about light pollution?

How many components of light pollution are there?

If you know, you have a chance for choosing new bonus questions

If you don't know, come back 2 fare on game board.

