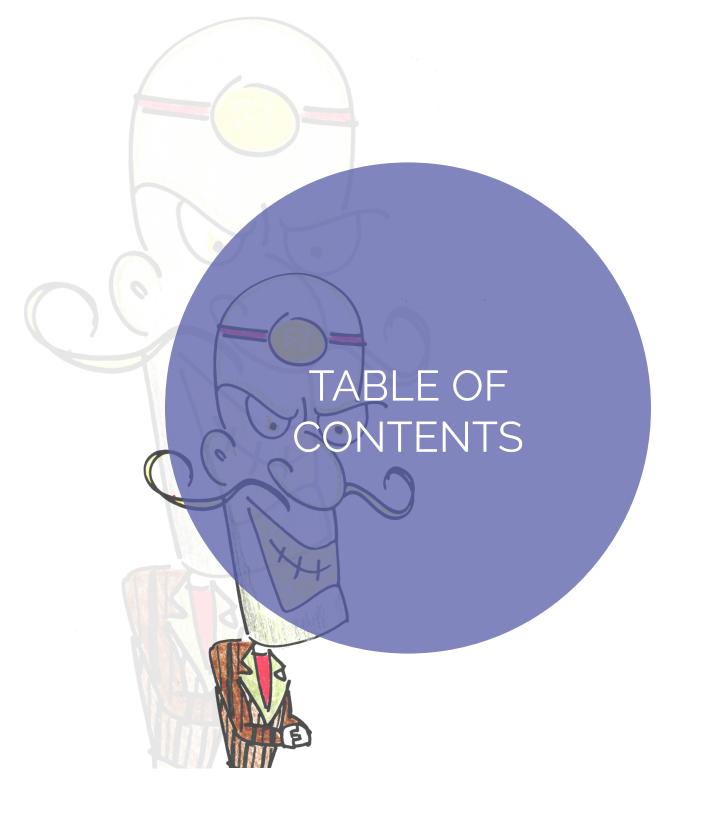


FOR STUDENTS



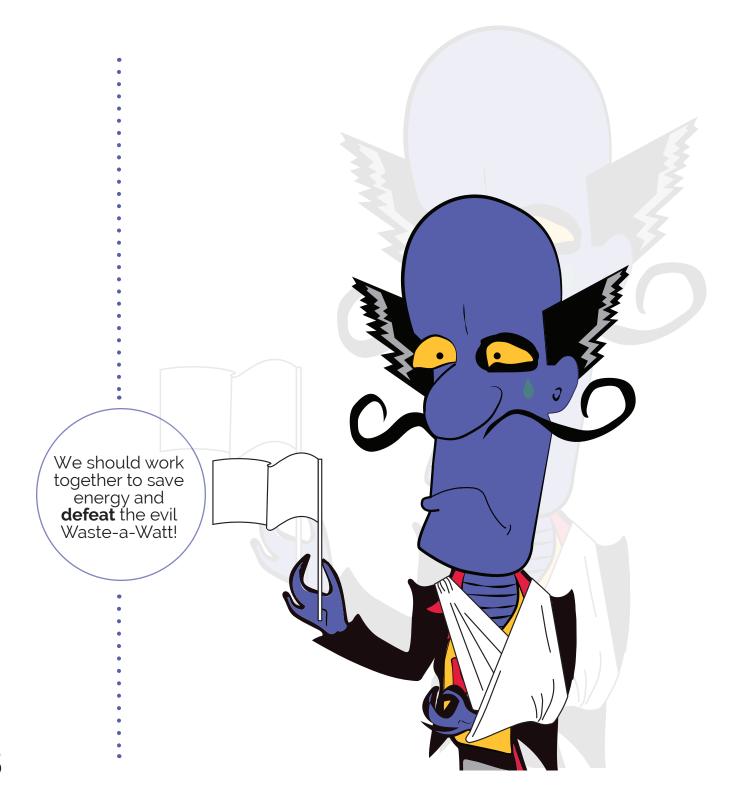


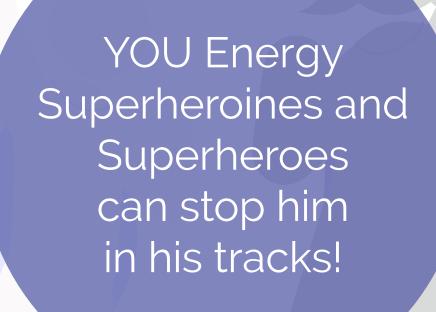


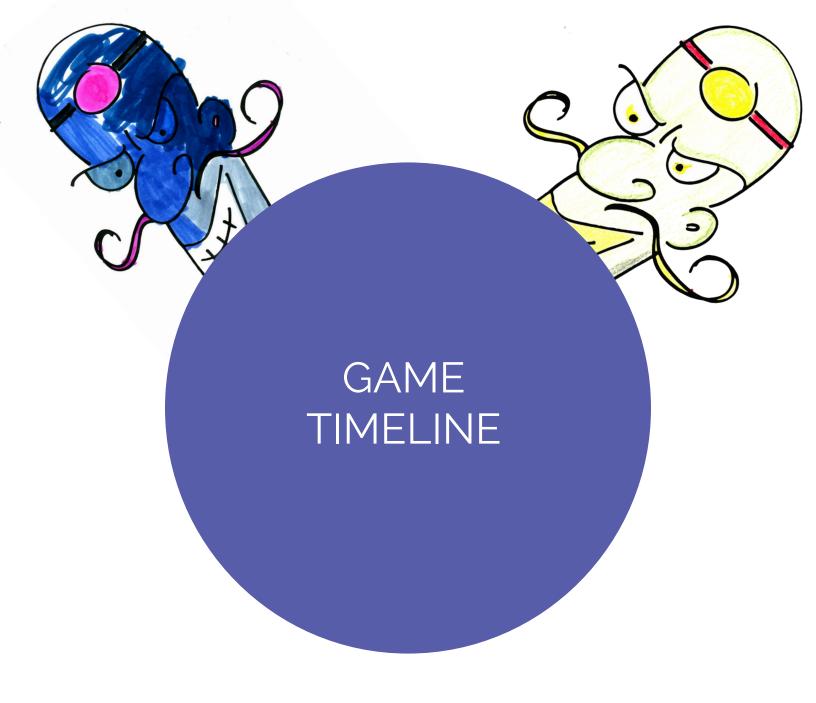


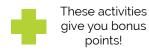












WEEK 1 PREPARING & LEARNING

Follow these events to prepare for the CHALLENGE! These activities will earn your point!

MONDAY

TUESDAY

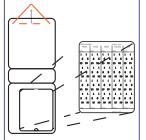
WEDNESDAY

THURSDAY

FRIDAY

1. SET UP:

Hang the game board up and attach your first dashboard!



2. APPOINT A STUDENT LEADER:





Work with your teacher to randomly select a classroom leader who will lead the entire class through this CHALLENGE!

10250/(1

3. VISUAL LEARNING:

VIRTUAL REALITY:



Scan the QR code at the bottom with a mobile device and use it with the VR glasses.



ENERGY CARDS:



Align the cardboard cards to create a continuous view of areas in the school.

ONLINE 360 TOUR:



efargo.org/360

4. SET GOALS:





Set daily point goals on the dashboard with your teacher and classmates!



WEEK NUMBI	R 1		WEEKLY GOAL:	170
MON	TUES	WED	THURS	FRI
GOAL: 30	GOAL: 30	GOAL:30	GOAL: 30	GOAL: 50

5. EXPERT TALKS:



Energy-related local professionals will talk about energy use through fun activities!

6. TAG THE WASTE:



With what you've learned about energy waste so far, use the stickers in the game box to tag areas in your classroom that waste energy.



7. TAKE A PLEDGE:





With your knowledge about energy saving so far, write on the board in your classroom one way you plan to reduce energy use in your classroom and school

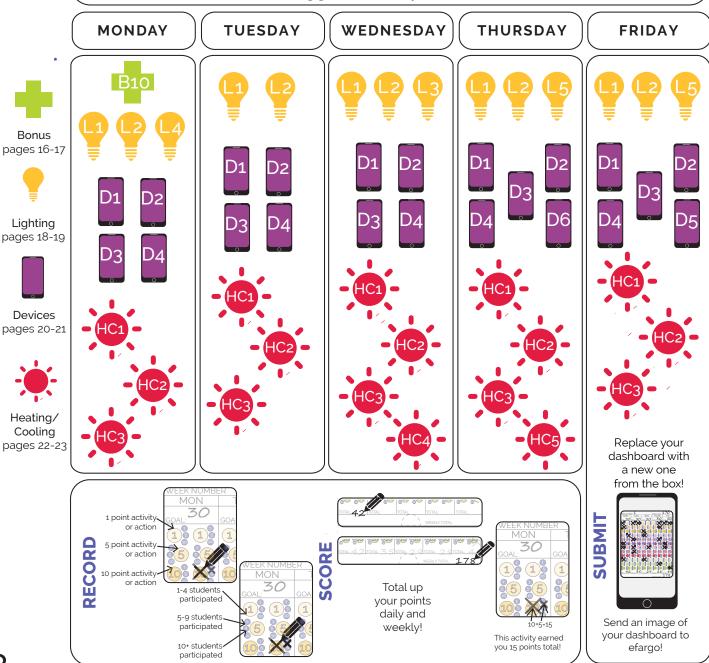
8. HOME GAME:



You will find this game in the game box, each student could play it at home with his/her family!



WEEK 2 PLAYSuggested Daily Activities



Suggested Daily Activities **TUESDAY** WEDNESDAY **THURSDAY MONDAY FRIDAY** Bonus pages 16-17 Lighting pages 18-19 **Devices** pages 20-21 Heating/ Cooling pages 22-23 MON 30 1 point activity. SUBMIT or action RECORD 5 point activity SCORE or action 10 point activity or action Total up 1-4 students participated your points daily and 5-9 students Send an image of weekly! participated your dashboard to This activity earned you 15 points total! 10+ students efargo!

participated

WEEK 3 PLAY



Participation is measured by the number of students who took part in an activity.

1 point: 1-4 students

5 points: 5-9 students

10 points: 10+ students



ONE-TIME



APPOINT A CLASSROOM LEADER

Pick a student who will lead the entire class through this CHALLENGE.



VIRTUAL REALITY

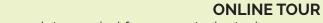
1 point awarded for every student who uses the VR glasses.



ENERGY CARDS

1 point awarded for every student who uses the energy cards.





1 point awarded for every student who accesses the school 360 online tour.

1 point



SET GOALS

Set daily and weekly energy-saving goals on the game dashboard!



EXPERT TALKS

1 point awarded for every student who attends these presentations.





TAKE A PLEDGE

1 point awarded for every student who joins in this event.



EXPERT TALKS

1 point awarded for every student who attends these presentations.



HOME GAME

1 point awarded for every student who plays this game with his/her family.

10 points





POSTER CONTEST

Create signs and posters that remind your classmates about energy-saving. Hang these all around the school: in classrooms, restrooms, gyms, etc.





DAILY ONE-TIME WEEKLY MISSION LIGHTING GAME **ENERGY-SAVING** Play this game to 1 point **ACTION** L1 learn about eco-Keep lights off unless you friendly lighting: need them! https://bit. ly/2DZ5Idu **LIGHTING ENERGY PATROL LIGHT** Assign a new light **CLASSROOM POWER** energy officer each day L₅ **DESIGN HOUR** who makes sure lights 5 points L₃ Work with your Turn off are turned off when not teacher to rearrange all lights in use. Patrol officer. your classroom in the remember to wear your layout! classroom badge throughout the for an hour. school day! **LIGHT BULB COMPARISON** L6 Find out which type 10 points of light bulbs are used in different parts of the school.



DAILY ONE-TIME WEEKLY **ENERGY-SAVING ACTION D1** Unplug a coffee maker, **ENERGY METER** microwave. TV. or other **MADNESS GAME** device when not in use. Play this online game to **D6** 1 point learn about energy use **ENERGY-SAVING** and conservation: **ACTION** https://bit.ly/2128uRO D2 Switch off a computer or projector when not in use. **DEVICES ENERGY PATROL** Assign a new devices **D5 D3** energy officer each day who makes sure devices are **WEEKEND** turned off when not in use. THE DAY AMY SAVED **UNPLUG** Patrol officer, remember to THE WORLD! GAME Unplug a wear your badge throughout Play this online game 5 points **D7** vending the school day! to learn about energy machine saving at home: before **NIGHT UNPLUG** https://bit.ly/2IU7Yga going home Unplug any devices **D4** for the that waste energy in the weekend. classroom at the end of the school day.

10 points c





Find out how much electricity a device uses.





DAILY

ONE-TIME

ENERGY-SAVING ACTION



During the winter, leave the blinds open to let in the sun's heat during the day, then close them before leaving at night to keep the heat in!

1 point

ENERGY-SAVING ACTION



During the summer, keep the blinds closed to reduce heat gain during the day, then open them before leaving at night to cool the classroom.

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CONSERVING ENERGY

Play this online game to learn about energy saving at home:

https://bit.ly/1lqls4g



SHADING ENERGY PATROL



Assign a new heating/cooling energy officer each day who makes sure classmates are following energy-saving actions. Patrol officer, remember to wear your badge throughout the school day!



THERMOSTATS

Learn about how thermostats work by watching this video: https://bit.ly/2GIKTIM



INSULATION HC6 **EXPERIMENTS**



Learn about the insulation properties of different



SOLAR COOKERS

Create solar cookers to learn about the power of solar energy.







1. Energy Ninjas:

https://bit.ly/2umVsMr

2. OFFSET!:

https://climatekids.nasa.gov/ offset/

3. Climate Trivia:

https://climatekids.nasa.gov/ trivia/

4. Climate Bingo:

https://climatekids.nasa.gov/ bingo/ Saving at Home

1. Energy Quest:

https://bit.ly/2rSGoVE

2. Join the Lorax:

https://bit.ly/2pKhrYd

Energy Saving Actions

1. Go Green: https://climatekids.nasa.gov/go-green/

Renewable Energy Sources

1. Power Producer:

https://bit.ly/2G8CNJL

2. Energy Flows:

https://bit.ly/2ISlUki

3. Power Up:

https://climatekids.nasa.gov/ power-up/

3. Nico the Ninja:

https://bit.ly/2Gdj23K