

energia cria energia



2016/2017

Educational Projects Galp

Mission UP Power UP

OUR STRATEGY

Aware of the role that more informed communities currently have and can have in the sustainable development of the planet, we seek to add value by investing in the younger generation to ensure that they are more informed and influent consumers, actors and professionals. At the core of this strategy and as we are an integrated energy operator strategically focused on acting today while thinking about tomorrow, we believe that it makes perfect sense to create education projects aimed at children on energy efficiency and consumption. Thus, with the objective of creating awareness and mobilization towards a change of behavior related to the more efficient consumption of energy, we have acted in the area of education at a national level. We currently have two education projects in schools: “Mission UP” for Elementary Schools “Mission Power UP” for Middle Schools. And this September we are launching a new one “ Switch UP” for High Schools

Galp Commitments to Sustainability



COMMITMENT I
Acting responsibly and ethically, ensuring the best governance practices and transparency.



COMMITMENT II
Engaging with the community and other stakeholders and encouraging the creation of shared value.



COMMITMENT III
Valuing human capital.



COMMITMENT IV
Helping to satisfy future energy needs and minimize the intensity of the carbon footprint.

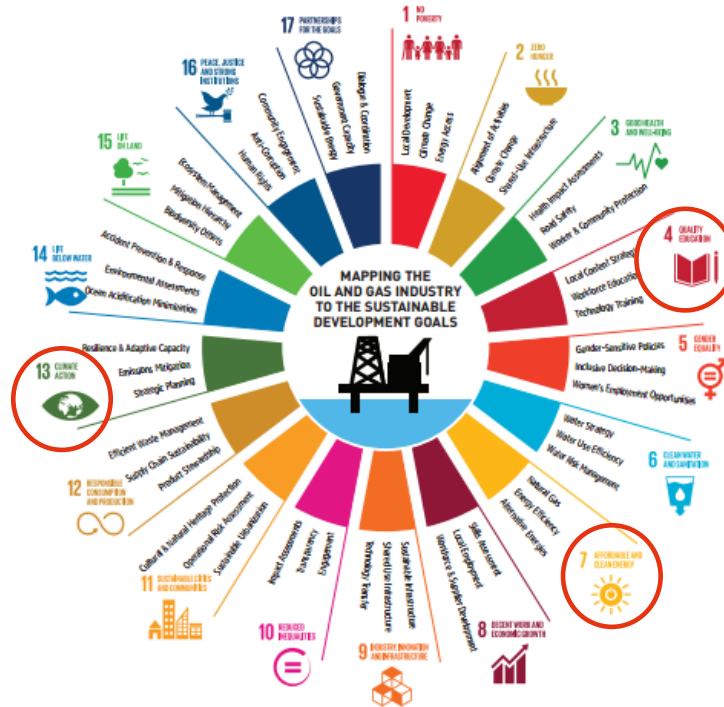


COMMITMENT V
Ensuring the protection of people, environment and assets.



COMMITMENT VI
Promoting innovation, research and technological development.

ALIGNED WITH UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS



KEY ISSUE AREAS FOR OIL AND GAS MAPPED TO THE SDGs



MISSÃO UP

**Mission UP
Project in 2016/17**

Mission UP

Project Framework



- **Educational Project**, part of Galp's Corporate Social Responsibility strategy. Based on the belief that education about energy and energy efficiency plays a crucial role in the company's action.
- **Promotes the engagement of children** with the various areas of energy efficiency and sustainability notions. Uses an approach that promotes changing behaviors towards this issues in a fun context. It aims also to reach those children families and local communities

Mission UP

Objectives

Communication Objectives

- Focus on the dissemination of good practices in energy consumption
- Carrying the topic to the wider community, by using an especially interested and motivated public as a vehicle of communication;

Didactic Objectives

- Framing energy efficiency in sustainability area and to give children the necessary tools to internalize the concepts, so that they can be converted into behaviors, and relate energy efficiency to everyday practices.

Energy Efficiency Objectives

- Make the School community the driving engine of mobilization and motivation towards real behavioral change in energy consumption
- Create more aware consumers simultaneously with a more informed society on this topic.

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Targets

This project was designed for children of the 1st education cycle, aged between 6 and 10 years old, but its contents also aimed at the teachers, community, parents and guardians of these children.

Students



- Around 440.000 children, in grades 1st to 4th in all Portuguese Elementary Schools. Last school year there were 4.750 public and private schools. This project tries to reach all of them without distinction.

Teachers



- More than 30.000 teachers of all curricular areas, including those with administrative roles. In addition to that reaching the rest of school's staff.

Parents/ Families



- An incentive to families to get more involved in their children school activities. More than 3 million of Portuguese have children or grand children in Elementary Schools

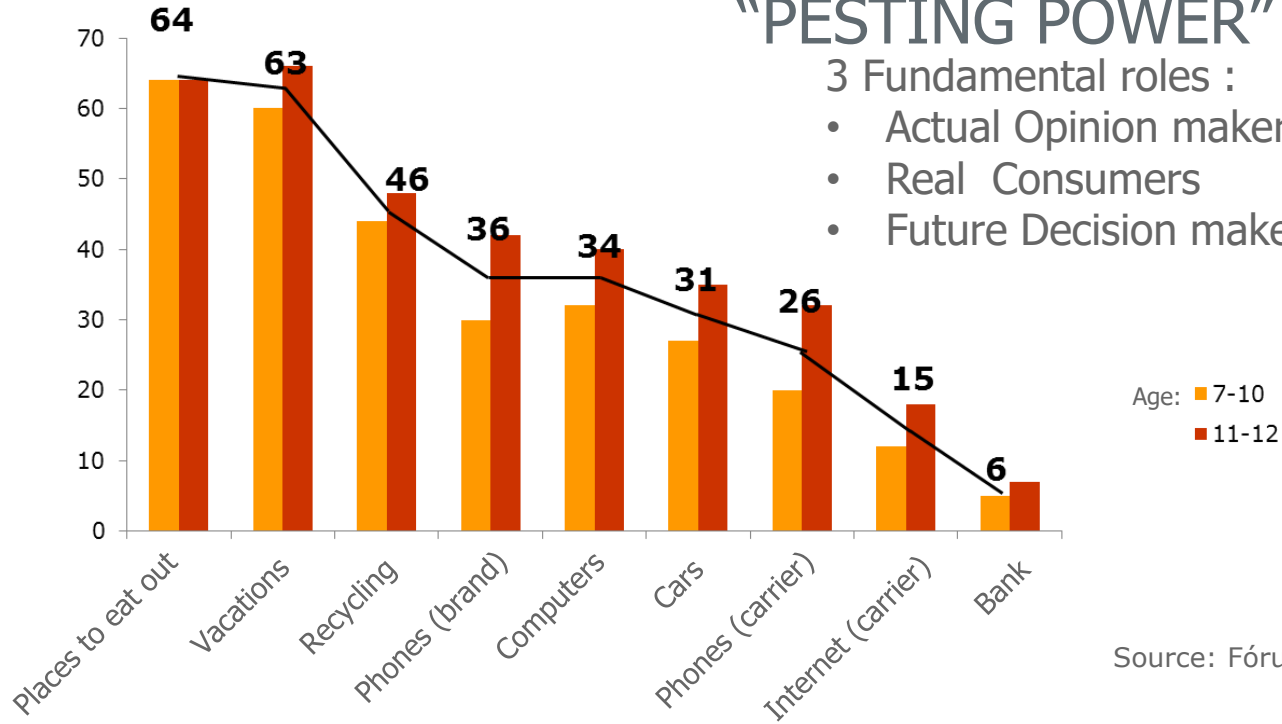
Community



- All elements of local communities including PTA's, Police, Fire Fighters, local political institutions, neighbors and various associations

Mission UP

Children's influence in family consumption grows every year :



Source: Fórum da Criança

Mission UP

Bringing Together Stakeholders – Institutional Partnerships



GOVERNO DE
PORTUGAL

MINISTÉRIO DA EDUCAÇÃO
E CIÊNCIA

Direção-Geral da Educação



AGÊNCIA PORTUGUESA DO AMBIENTE

Ministério do Ambiente, do Ordenamento do Território e do Desenvolvimento Regional



AGÊNCIA PARA A ENERGIA



Direção Geral
de Energia e Geologia



United Nations
Educational, Scientific and
Cultural Organization

Comissão
Nacional da
UNESCO
Portugal

Portuguese
National
Commission
for UNESCO



Mission UP

Web Site

The web site has an animated interface to attract the children's attention and interactivity is present in almost all the tabs. Features various games which help the children to better understand the topic of energy. The teachers can also find supporting material, presentations, notes and activity sheets that enable working the topics with their students. For parents and guardians, the website provides contents to assist in a family discussion of the topics and in the implementation of advice on energy efficiency at home.

"Mission UP" also includes a channel on YouTube, where videos of the project and videos made by the different schools can be found.



Mission UP

Areas of focus

Energy Sources



- **Energy Sources** – to know all sources of energy makes it easier to decide about consumption, we tell children the truth about energy use in the world, with an unbiased vision supported in facts and numbers from international independent agencies

Energy Efficiency



- **Efficiency at home and in school** – Although school is the natural territory of action we try to inspire children to go home and save energy in every situation, turn off TV's or lights not being used, avoid stand-by, tell parents to buy Cat A appliances....

Sustainable Mobility



- **Sustainable Mobility** – if consider a closed system 60% to 70% of energy used in schools is going to the task of bringing children from home to school and taking them back. We promote the use of Public Transportation, car sharing or carpooling as a good alternative

Energy Footprint



- **Energy Footprint** – The notion that everything that surrounds a child, be a toy or a game, food or clothing, uses great amounts of energy is essential to make the right choices. We believe that from early age that knowledge can help change behaviors .

Mission UP

Positive Brigades Competition

In order to participate in this competition, the schools must organize Positive Brigades. Each brigade is composed of various students whose objective is the definition and implementation of a Mission which will contribute to energy efficiency at school and at home. The various missions of the brigades are achieved both at school and outside of it, so that the children have the opportunity to convey the messages on energy efficiency beyond the school, reaching their families and a variety of institutions (entities of local power such as Parish Councils or Municipal Councils, Associations of Parents and Residents, local Fire Brigades and Police, among others), thus encouraging the widespread participation of the students and adoption of sustainable behavior in the community.



The schools that participate in the project receive an Activities Guide with 10 topics and suggestions for activities, specific to each topic, which should be developed by the “brigades” throughout the school year with the supervision and follow-up of the teachers.



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Project Materials we take to schools



Guião de atividades

Missão UP | Unidos pelo Planeta

Vamos abraçar esta missão e fazer mais pelo nosso Planeta!

Formulário Missão UP

Objetivo: Este formulário tem o objetivo de recolher informações sobre o uso de equipamentos elétricos e eletrónicos em casa e no trabalho, para avaliar o consumo de energia e a possibilidade de poupança de energia.

Nome e Contacto do aluno:

Nome do Professor Responsável:

Escolas:

Disciplinas: Língua Portuguesa Matemática Ciências Inglês História Geografia Artes Educação Física Música Informática Outros:

Equipamentos: Computador Impressora Máquina de escrever Máquina de lavar roupa Máquina de lavar loiça Forno Geladeira Ar condicionado Outros:

Regras de Adesão

Venha saber mais sobre energia e descarta todas as novidades da Missão UP para este ano lectivo.

Missão UP

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4.2 INTERLUPTORES

Ter cuidado para ligar e desligar a luz do quarto, sala, sala de banho e laboratório da sala de aula.

18 pontos para pensar quantas vezes os interruptores ficam ligados sem necessidade durante o dia?

Quanto tempo para ligar e desligar a luz do quarto, sala, sala de banho e laboratório da sala de aula?

Para saber mais, preparem-se para ler e analisar o texto e responder às questões.

SUGESTÕES DE ATIVIDADES

1.1 a 2.4 ONZAS: Descreva o que é um interruptor e explique a sua função. Faça um desenho de um interruptor e explique a sua função.

3.1 a 4.1 ONZAS: Descreva o que é um interruptor e explique a sua função. Faça um desenho de um interruptor e explique a sua função.

4.3 EQUIPAMENTOS

Para reduzir o consumo de energia elétrica, utilize os seguintes equipamentos:

- Todos os equipamentos elétricos e eletrónicos devem ser desligados quando não estiverem a ser utilizados.
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SUGESTÕES DE ATIVIDADES

1.1 a 2.4 ONZAS: Descreva o que é um interruptor e explique a sua função. Faça um desenho de um interruptor e explique a sua função.

4.5 AR CONDICIONADO

Para reduzir o consumo de energia elétrica, utilize os seguintes equipamentos:

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SUGESTÕES DE ATIVIDADES

1.1 a 2.4 ONZAS: Descreva o que é um interruptor e explique a sua função. Faça um desenho de um interruptor e explique a sua função.

Poupar energia é a nossa Missão UP

Missão UP | Unidos pelo Planeta

Uma escola eficiente no consumo da sua energia

www.missioncup.com

Um projeto educativo galp energia cria energia



Mission UP

Energy Classes

The first 300 schools that can prove the implementation of at least 3 of the 10 actions listed in the Activities Guide, dealing with 3 different topics, are entitled to receive a Mission UP Training Visit at their school. The visit made by our employees aims to provide the conceptual basis on the main topics of the project, and during the visit, classes are also given on energy issues. The first 10 schools which report, in a complete manner, the development of 10 activities associated to each of the 10 topics proposed in the Activities Guide, are the grand winners of that school year, with the teachers and students involved receiving awards.



hotspot.





MISSÃO UP

**Que tipos
de energia existem?**

Existem 2 tipos de energia:



Energias Renováveis

São aquelas que o nosso planeta nunca vai perder

- Solar
- Geotérmica
- Eólica
- Hídrica
- Biomassa



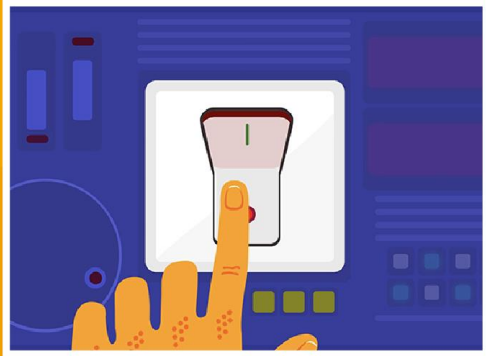
Energias Não Renováveis

São as mais utilizadas

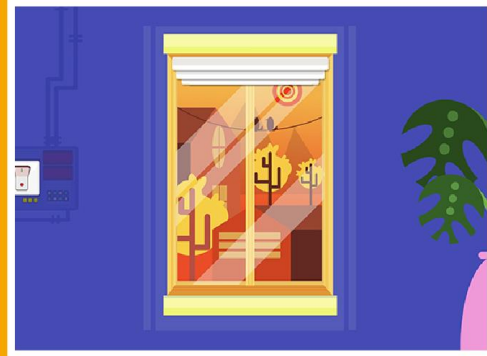
- **Combustíveis fósseis:**
Petróleo, Gás Natural e Carvão
- **Combustíveis nucleares:**
Metais radioativos
como por exemplo o urânio

**Como podemos
poupar energia e ser
mais eficientes?**

Dicas para poupar energia:



Se apagares a luz quando não a estás a utilizar, estás a poupar.



Podes abrir as persianas durante o dia, para não gatares luz.



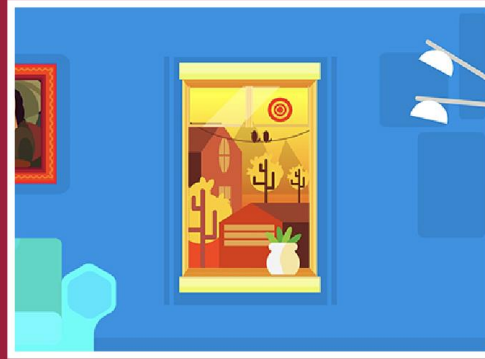
Se os teus pais colocarem lâmpadas fluorescentes ou LED, gastam menos energia.

Eletricidade

Dicas para poupar energia:



Desliga sempre a televisão e o computador no botão de desligar.

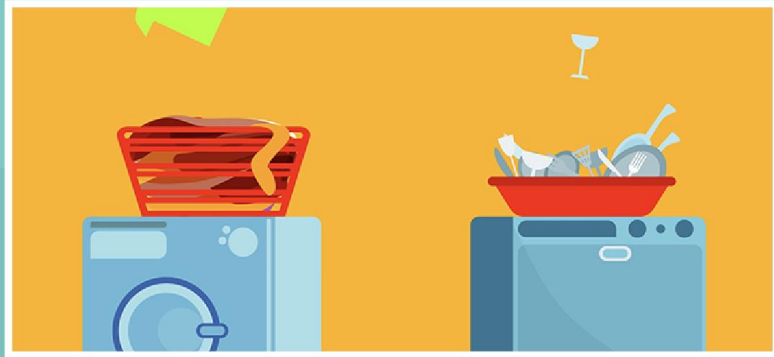


No Verão abre as janelas, para não teres de usar o ar condicionado.

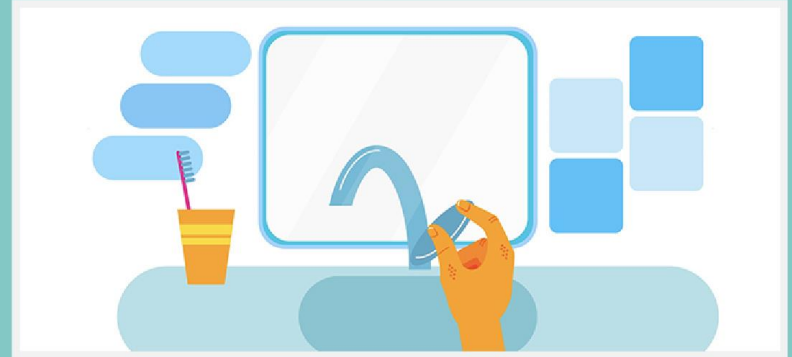


No Inverno, confirma que tens as janelas fechadas, antes de usares o aquecedor.

Dicas para poupar energia:



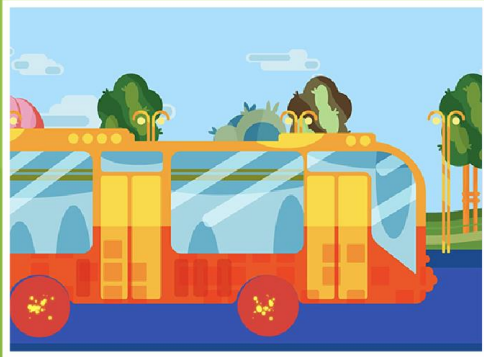
Diz aos teus pais para só ligarem a máquina de lavar loiça e a máquina de lavar roupa quando estiverem cheias.



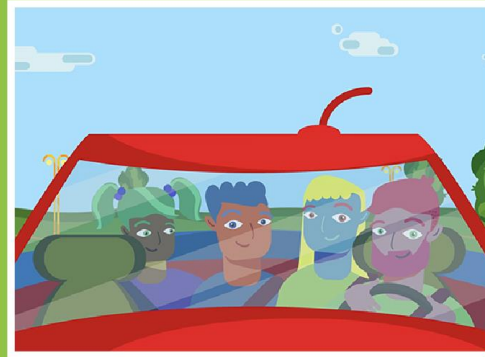
Fecha sempre a torneira quando lavas os dentes.
Vais poupar litros de água.

Água

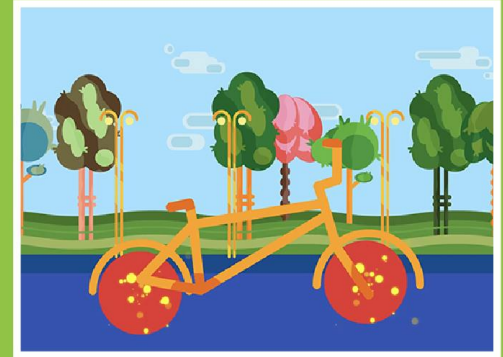
Dicas para poupar energia:



Poupas mais quando utilizas transportes públicos.



Partilha viagens de carro.



Vai a pé, de skate, de patins ou de bicicleta.

Mobilidade



An Educational Project by



THANK YOU!!

