



Guia didàctica d'«IT'S NOT ROCKET SCIENCE»

* TALLER DE FORMACIÓ EN ANGLÈS *

Els exercicis d'aquesta guia estan pensats per a alumnes dels cicles mitjà i superior. A les tres primeres pàgines hi ha les recomanacions per abans i després de veure la sessió, i també la solució als exercicis. De la pàgina 4 a la pàgina 11 hi ha les fitxes per als alumnes. Si hi hagués qualsevol aspecte que no estigués prou clar tindrà molt de gust d'ajudar-te. Em pots enviar qualsevol consulta que vulguis a info@ruskus-patruskus.com.

Abans de la sessió

It's not Rocket Science és una activitat molt visual. El llenguatge sempre s'acompanya d'accions visuals molt clares. Gràcies a això, els alumnes podran entendre i gaudir de l'activitat independentment del seu nivell d'anglès.

Tanmateix, per tal que els infants en treguin el màxim profit, uns dies abans de la sessió es recomana fer dues coses:

1. Repassar el vocabulari.
2. Comentar breument la sinopsi.

Vocabulary

rocket science alien planet sun galaxy star atom launch pad travel adventure ring solar system route extraterrestrial	message molecule engine secret agent radio transmitter countdown space life mission hot launching cold space helmet spaceship spacecraft constellation	astronaut space landing Milky Way hidden lost home come back liftoff ignition big small tiny cloudy satellite	<p style="text-align: center;">Planets</p> <p>Mercury, Venus, Earth (and Moon), Mars, Jupiter, Saturn, Uranus, Neptune and Pluto*.</p> <p style="text-align: center;">Radio communication expressions</p> <p>“roger”: <i>I have received all of the last transmission.</i></p> <p>“over”: <i>I have finished talking and I am listening for your reply.</i></p> <p>“over and out”: <i>I have finished talking to you and do not expect a reply.</i></p>
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* Pluto is no longer considered a planet, but a dwarf-planet instead.

Synopsis

Ruskus Patruskus has a new job as a secret agent. He is puzzled when he receives a secret message with a bizarre mission: he is ordered to get into a space rocket, go to another world and seek out some aliens! But he won't be alone, since kids will be the spaceship crew. However, to become real astronauts, all of them must learn about atoms, planets and galaxies. The rocket lifts off, travels through outer space and arrives to the mysterious planet. But when they finally meet the aliens, they get a big surprise!

Després de la sessió

Les fitxes de les pàgines 4 a 11 estan pensades perquè els alumnes reforcin el vocabulari que han après durant l'activitat.

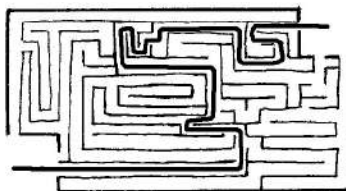
A continuació trobaràs la explicació de cada fitxa i la solució dels exercicis.

1. YOUR FIRST MISSION (pàg. 4). Els alumnes han d'escriure a cada frase la paraula del requadre de l'esquerra que millor s'avingui. Solució:

- A SPACECRAFT is a vehicle used to fly in outer space.
- If you are using a radio transmitter, you should say "OVER" when you have finished talking.
- Scientist haven't found any proof of EXTRATERRESTRIAL life yet.
- Rockets are launched from a LAUNCH PAD.
- Counting in reverse is called a COUNTDOWN.
- A SPACE HELMET is a part of a space suit.
- We must go to another planet to accomplish our MISSION.
- Check out your ROUTE carefully, otherwise you could get lost in space!
- You should know a lot about SCIENCE to become an astronaut.
- The Moon is the SATELLITE of the Earth.
- Don't tell anybody that you are a SECRET AGENT.
- We are ready to begin an exciting new ADVENTURE!

2. SCIENCE! (pàg. 5). Es tracta que els alumnes facin una petita redacció dins del requadre fent servir les paraules *science, rocket, travel, life* i *planet*. Es recomana que la redacció tingui entre 15 i 40 paraules, però es pot canviar per la quantitat de paraules que sigui més adequada al nivell dels alumnes.

3. FIND YOUR WAY (pàg. 6). La primera part és senzillament un passatemps perquè els infants es relaxin. El camí per sortir del laberint és aquest:



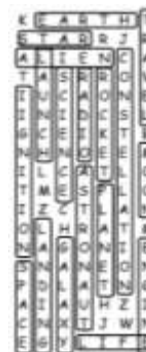
Aquesta és la solució de la resta de la fitxa:

- A visitor from another planet is an **ALIEN**
- The rocket is ready for **LIFTOFF**
- If you want to go to outer space you should become an **ASTRONAUT**
- The name of our planet is the **EARTH**
- Saturn has many beautiful **RINGS**
- Our galaxy is called the **MILKY WAY**
- If we want to travel through space we need a **SPACESHIP**
- If you look at the sky in a cloudless night it is likely that you will see lots of **STARS**
- The closest star to us is the **SUN**
- We cannot see atoms because they are incredibly **SMALL**

4. ON TRAVEL! (pàg. 7). A la dreta hi ha la solució a la sopa de lletres. Les files i les columnes del requadre coincideixen amb les del dibuix del coet.

5. LOST IN SPACE (pàg. 8). La idea és que els infants repassin el nom dels planetes en anglès. Com a ajuda, en el requadre de sota hi ha el nom de tots els planetes. Solució:

1. Mercury
2. Venus
3. Earth
4. Mars
5. Jupiter
6. Saturn
7. Uranus
8. Neptune
9. Pluto



6. A WINDOW TO OUTER SPACE (pàg. 9). Els infants han de posar a cada frase les coordenades que corresponguin, com en el vell joc de la batalla naval. Solució:

- A black rocket: A3
- A planet: A2
- Some aliens travelling through space: B3
- An astronaut orbiting the Earth: C1
- A white rocket: B1
- An alien spaceship: C3
- Three tiny stars: B2
- The biggest star: A1
- Two planets and two stars: C2

7. ALIEN FAREWELLS (pàg. 10). Representa que els extraterrestres parlen al revés, així que per entendre'ls els alumnes han d'escriure les frases a la inversa, és a dir, començant per l'última lletra i acabant per la primera. Solució:

Foreground alien: "You are very funny! Come back soon to visit us again!"

Rest of aliens: "We love you and we will miss you a lot!"

8. FREE DRAWING (pàg. 11). Els infants poden dibuixar allò que més els hagi agradat de l'activitat. Si vols pots enviar fins a dos dibuixos per classe a info@ruskus-patruskus.com, i amb molt de gust els penjaré a la [galeria de dibuixos de la meva web](#).

YOUR FIRST MISSION

space helmet

satellite

mission

secret agent

spacecraft

route

science

extraterrestrial

launch pad

countdown

adventure

over

Hi! This is your first mission:
read the words in the column on
the left, and then write them
correctly in the sentences below.
Good luck! Over and out.



- A _____ is a vehicle used to fly in outer space.
- If you are using a radio transmitter, you should say " _____ " when you have finished talking.
- Scientist haven't found any proof of _____ life yet.
- Rockets are launched from a _____.
- Counting in reverse is called a _____.
- A _____ is a part of a space suit.
- We must go to another planet to accomplish our _____.
- Check out your _____ carefully, otherwise you could get lost in space!
- You should know a lot about _____ to become an astronaut.
- The Moon is the _____ of the Earth.
- Don't tell anybody that you are a _____.
- We are ready to begin an exciting new _____!

SCIENCE!



Science is so amazing!
It allows us travelling the
space and exploring the
wonders of the universe.

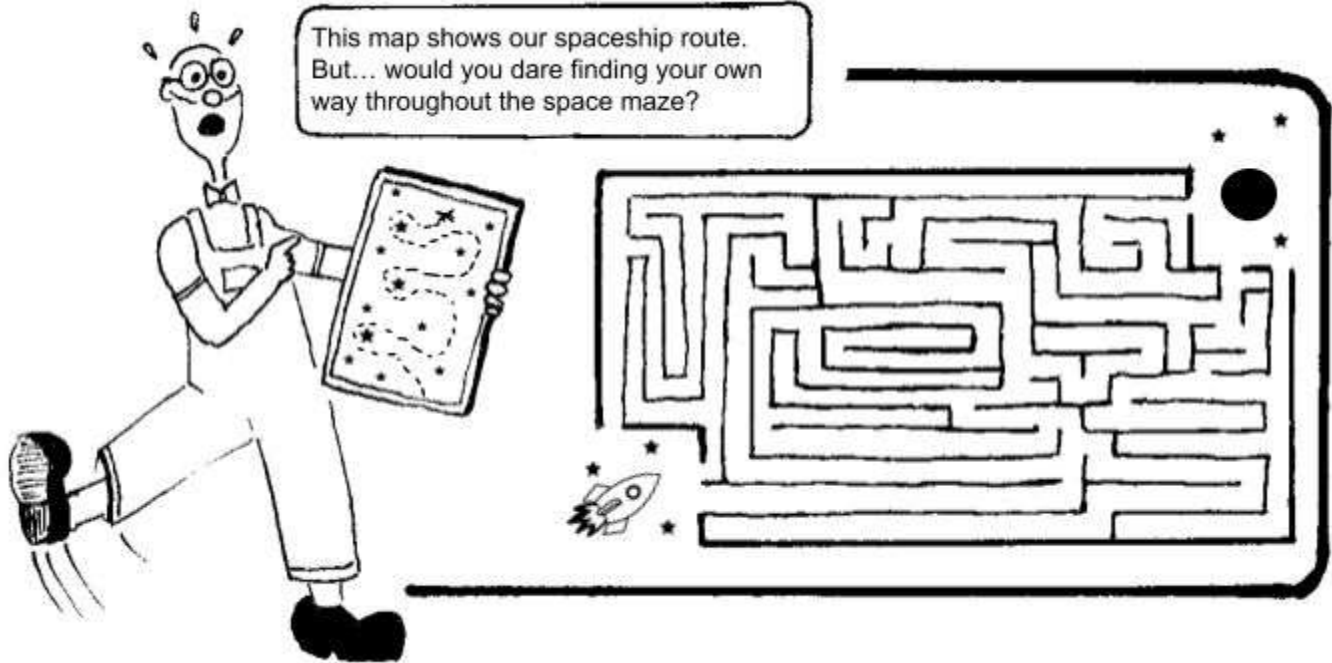
Make a short writing (no
less than 15 words and
no more than 40) about
what you like most
about science.

In your writing you must
use the words
**SCIENCE, ROCKET,
TRAVEL, LIFE and
PLANET.**

Are you ready? Go
ahead!

A large, empty rounded rectangular box intended for the student's short writing response.

FIND YOUR WAY

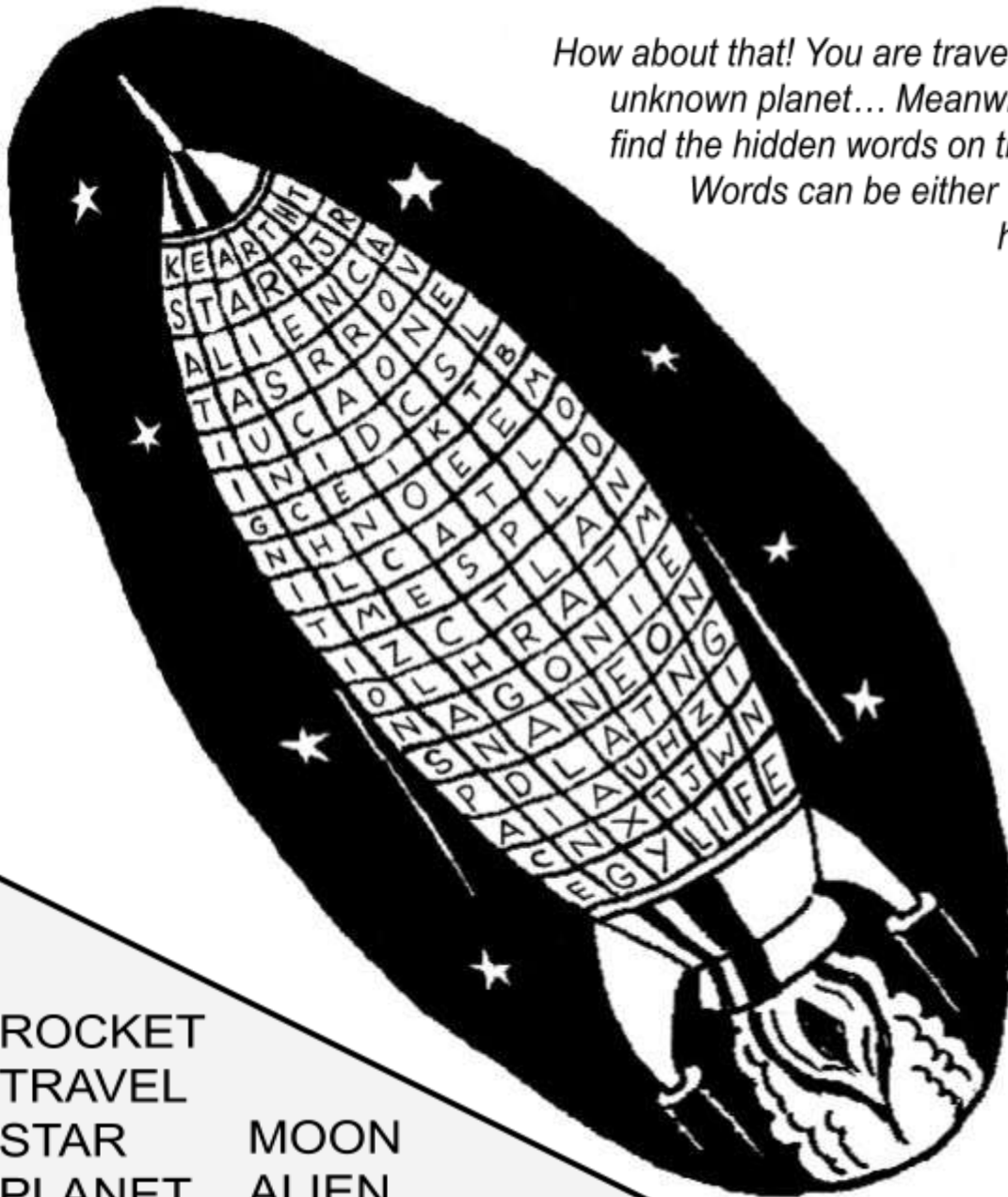


Did you get it? Great! Now draw a line from each sentence on the left to its corresponding missing word on the right.

- A visitor from another planet is an **ALIEN**
- The rocket is ready for **LIFTOFF**
- If you want to go to outer space you should become an **ASTRONAUT**
- The name of our planet is the **EARTH**
- Saturn has many beautiful **RINGS**
- Our galaxy is called the **MILKY WAY**
- If we want to travel through space we need a **SPACESHIP**
- If you look at the sky in a cloudless night it is likely that you will see lots of **STARS**
- The closest star to us is the **SUN**
- We cannot see atoms because they are incredibly **SMALL**

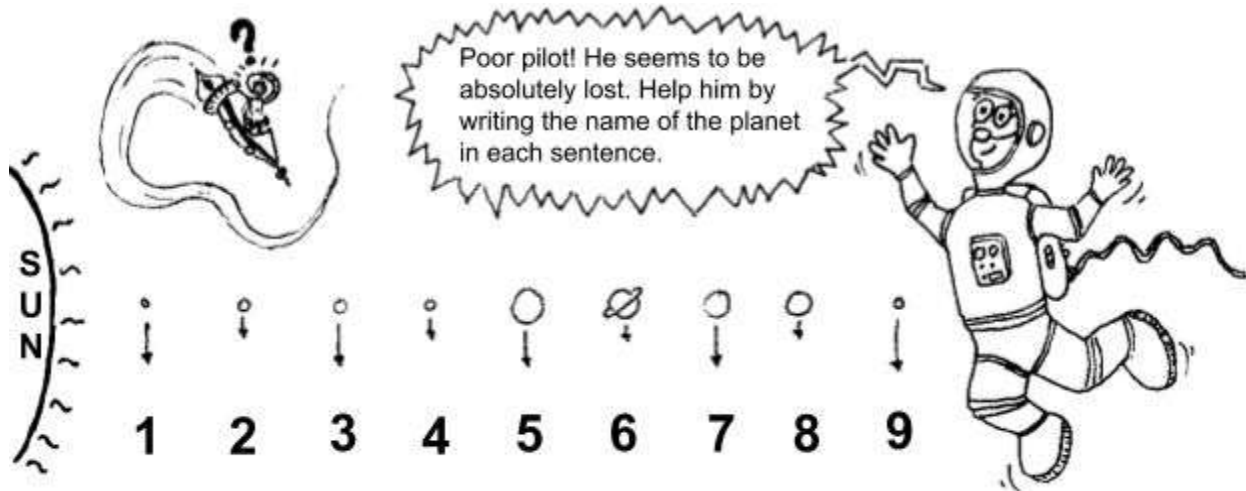
On travel!

How about that! You are travelling to an unknown planet... Meanwhile, try to find the hidden words on the rocket. Words can be either vertical or horizontal.



ROCKET		
TRAVEL		
STAR	MOON	
PLANET	ALIEN	
LANDING	ENGINE	EARTH
GALAXY	LIFE	SCIENCE
RADIO	IGNITION	ASTRONAUT
LAUNCH	SPACE	CONSTELLATION

LOST IN SPACE



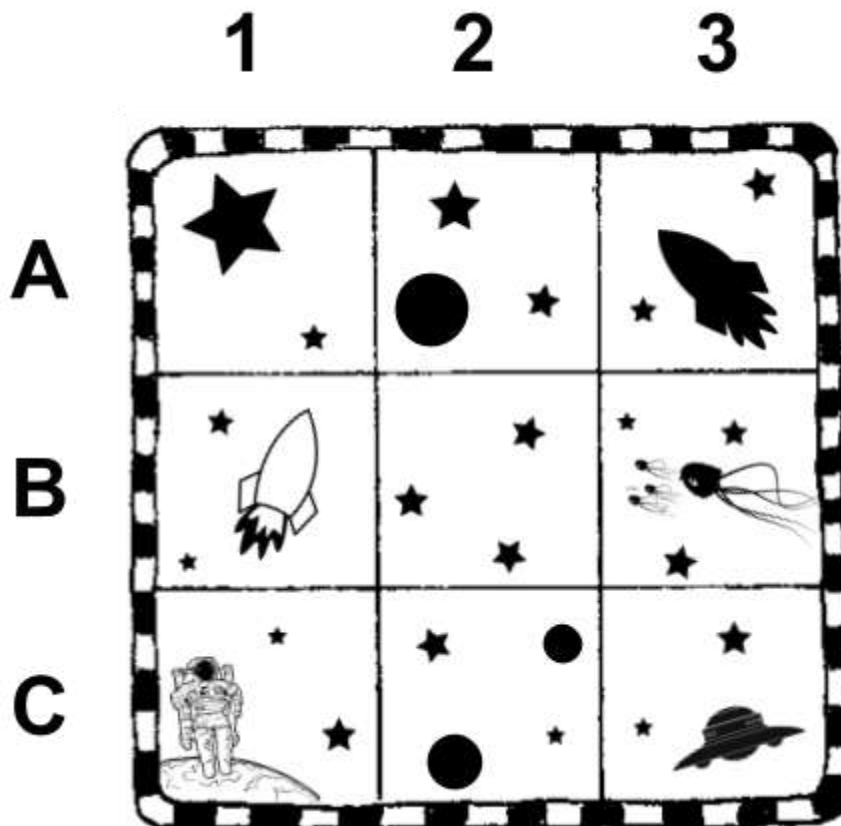
1. It's really hot out there! (7 letters) _____
2. A very cloudy planet (5 letters) _____
3. Our sweet home... (5 letters) _____
4. Its color is red (4 letters) _____
5. The biggest planet of our solar system (7 letters) _____
6. It has beautiful rings (6 letters) _____
7. It is a very big blue planet (6 letters) _____
8. The god of the sea in ancient Rome (7 letters) _____
9. It has the name of a dog! (5 letters) _____

The names of the planets (unordered list)



A window to outer space

Imagine that you are in a spaceship in outer space. Then you look at the window and... what do you see? Write the position of the objects indicated in each sentence (e.g., "Two stars and one planet: A2").



1. A black rocket: ____
2. A planet: ____
3. Some aliens travelling through space: ____
4. An astronaut orbiting the Earth: ____
5. A white rocket: ____
6. An alien spaceship: ____
7. Three tiny stars: ____
8. The biggest star: ____
9. Two planets and two stars: ____

Alien farewells

Our mission is over,
and we are travelling
back home!

Aliens and we got good
friends. When we leave
the planet, they kindly
say good-bye to us.

But their language
sounds weird: they
speak backwards!

To understand what
they say you must
rewrite each sentence,
letter by letter, from the
end to the beginning!



What does the alien in the foreground says?

What do the rest of aliens say?

Free drawing



Make a free drawing of what you liked most of the activity!

A large, empty rectangular area with a black border, intended for a free drawing. The top-left corner is cut off at a 45-degree angle.