



# QR HUNTERS

## CAZADORES QR

<b>TIME</b>	15 min	<b>SPACE</b>	2+2=4
<b>GROUP</b>		<b>MOTION</b>	
<b>SETTING</b>	★ ★ ☆	<b>DIFICULTY</b>	★ ★ ☆

**DOMAIN :** Bilingual Education/Language Arts

**ÁREA :** Educación bilingüe/lenguaje

**COMPETENCY :** Language Instruction, Proficiency

**COMPETENCIA :** Desarrollo del lenguaje

**KEY PRINCIPLES :**

Vocabulary Development. Language Instruction. Vocabulary Transfer. Root Words. Prefixes: Greek and Latin.

**CONCEPTOS CLAVES :**

Desarrollo de vocabulario. Instrucción del lenguaje. Transferencia de vocabulario. Raíz griega y latina de las palabras.

**MATERIALS | MATERIALES :** (KITS: [WWW.THEWITTYTEACHER.COM](http://WWW.THEWITTYTEACHER.COM))

\* Tablets, iPads, iPods or Smart Phones

\* Dictionary  
\* QR Codes App

\* Tabletas, iPads, iPods o Teléfonos Inteligentes

\* Diccionario  
\* Lector de códigos QR

**TWT Tips :**

**GAME MECHANICS + EXTRAS | MECÁNICA DEL JUEGO + EXTRAS :**

**TEACHER'S OBSERVATIONS | OBSERVACIONES DEL PROFESOR :**

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QR HUNTERS / CAZADORES DE QR

1



ENG

In this example we will apply this game to the area of Science, however it could be applied to other content areas for different topics of the curriculum.

ESP

En este ejemplo aplicaremos el juego al área de ciencias, pero puede tener innumerables aportes en distintos contenidos curriculares.

2



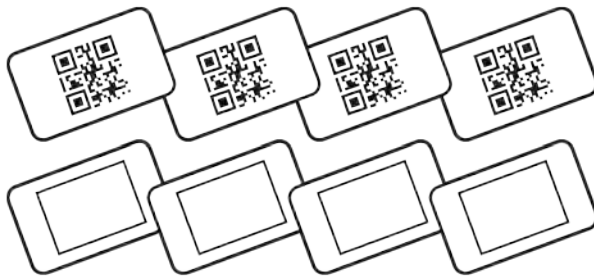
Materials you will need:

- Tablets, iPads, iPods or smart phones with an app to capture QR codes
- Dictionary

Los materiales necesarios son:

- 1) Teléfonos inteligentes o tabletas con un lector de códigos QR instalado. / 2) Un diccionario.

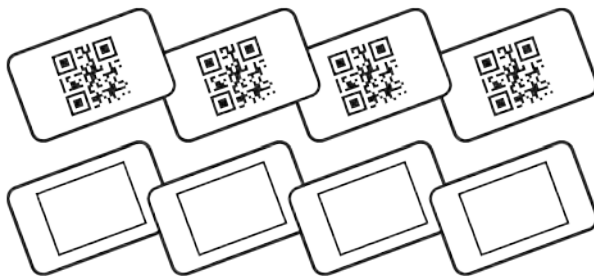
3



- a- QR codes with key definitions based on the topic and content area.
- b- Template with decoding key and table of words' root, meaning, and the blank space for students to write related examples found during the activity.

3) a.- Claves QR con conceptos en clave, b.- planilla con el formato de decodificación de la clave y la tabla con la Raíz, Significado y un cuadro vacío donde apuntarán los ejemplos asociados que descubran en el juego

4

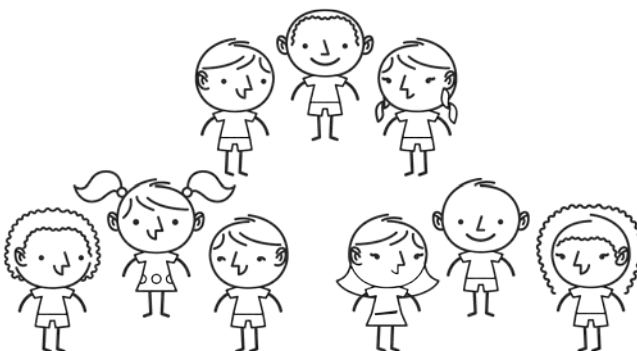


- c- QR codes with samples related to the definitions.
- d-Verification sheet for the facilitator

(Download ALL material needed [HERE](#))

c.- claves QR con ejemplos asociados a los conceptos, d.- la hoja de verificación para que el maestro pueda revisar los resultados conseguidos por los jugadores. Todo esto lo puedes descargar haciendo click [aquí](#).

5



Participants will be divided into groups of three. There will be as many groups as devices available, and they will play simultaneously.

The facilitator will establish the "Goal", the quantity of QR codes that groups will decipher.

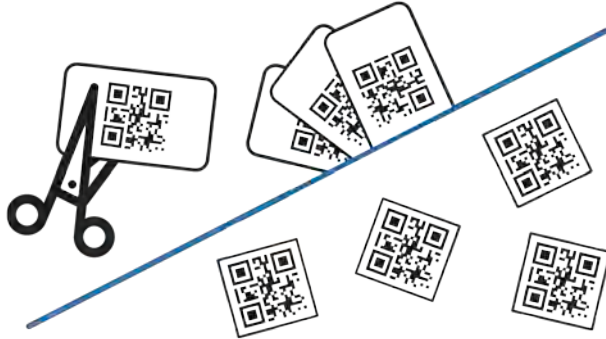
Se arman grupos de tres personas. Jugarán simultáneamente tantos equipos como dispositivos tengan a disposición. El maestro debe establecer una meta de cuántos códigos QR deben descifrar.



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QR HUNTERS / CAZADORES DE QR

6



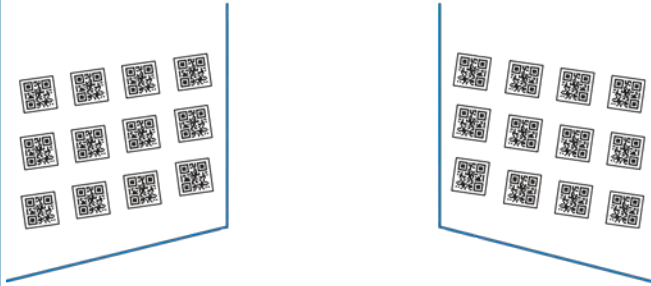
ENG

The QR codes with key definitions will be cut one by one, and attach to a wall in the room, in no particular order. The opposite wall will display the QR codes with examples related to the key definitions.

ESP

Los códigos QR de conceptos en clave deben recortarse uno por uno y pegarse en una de las paredes del salón de clases en forma aleatoria. En la pared opuesta deben estar los QR de ejemplos asociados a las palabras claves.

7



Facilitator can ask participants to prepare the walls with corresponding displays. Ensure that the space between the walls is clear.

Puedes pedir a los alumnos que lo hagan antes de empezar el juego. El espacio en medio de las dos paredes debe estar libre de obstáculos.

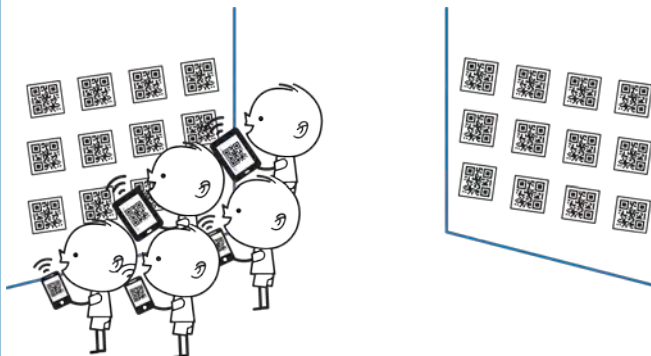
8



Each group will receive an electronic device (tablet, Ipad, smart phone), and (1) template with decoding key and table of words' root, meaning, and the blank space for students to write related examples found during the activity.

A cada equipo se le entrega un dispositivo móvil o tableta y una planilla de decodificación de claves con el cuadro Raíz, Significado, Ejemplos. El renglón de ejemplos debe estar vacío.

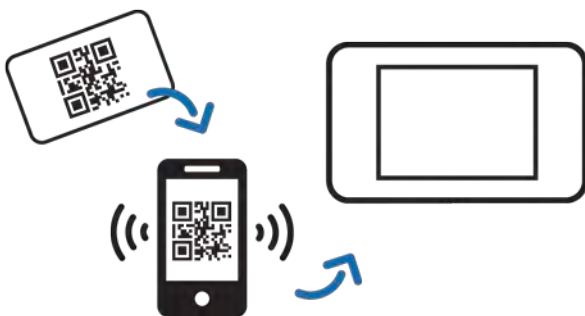
9



The facilitator gives the "Go" signal, and the groups go to the first wall and scan any QR code. The QR code will provide participants with a clue or hint. For this example: 13R- 1TM4SPH2R2

A la orden de "partida" los equipos pasan a la primera pared y escanean un código QR al azar. Al hacerlo recibirán en pantalla del dispositivo una clave. En este caso 13R2-1TM4SF2R1

10



The template will have the decoding key. For this example: A=1 E=2 I=3 O=4 U=5 So, the key words/clue is: AIR-ATMOSPHERE

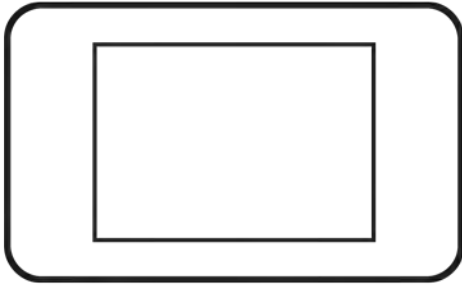
En la planilla encontrarán las pistas para descifrar la clave. En este ejemplo: A=1 E=2 I=3 O=4 U=5 La palabra clave es: AIRE - ATMÓSFERA.



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QR HUNTERS / CAZADORES DE QR

11



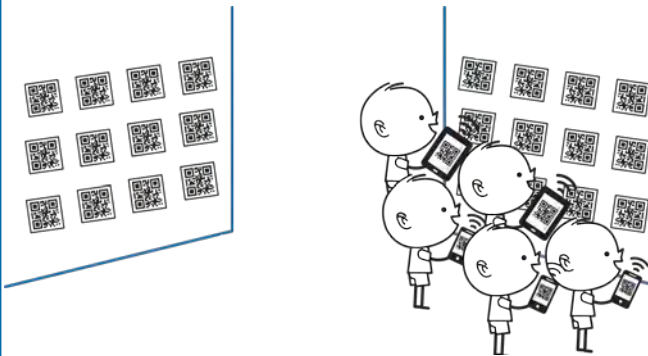
ENG

Players will use this hint to determine the root of the word, greek or latin, and write it down in the template sheet. In this case the root is AER/O

ESP

Con esta pista deben ubicar la raíz griega o latina en la planilla de conceptos. En este ejemplo será AERO.

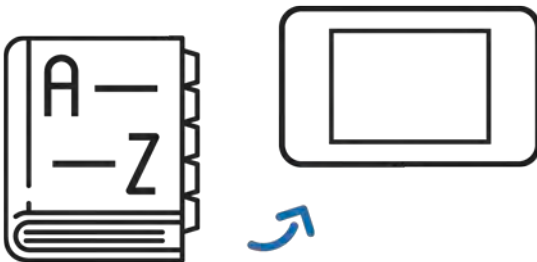
12



Once the root of the word has been discovered, the group goes to the other wall and scan QR codes searching for example words that contain the root previously found: AEROSPACE, AERIAL, AEROBICS, AERATE, etc.

Una vez descubierta la raíz corren a la otra pared y empiezan a escanear los códigos QR hasta encontrar los que contienen ejemplos o palabras derivadas: AEROPLANO, AERÓBICO, ANAERÓBICO, AERÓDROMO, ETC.

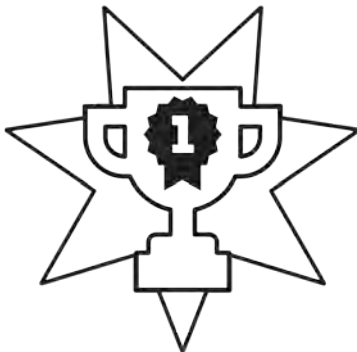
13



Groups will look up the words in the dictionary to verify meaning and root relation. Then, groups will write in the sheet all example words deciphered.

Antes de apuntar en la planilla los ejemplos descifrados deben verificar en el diccionario su significado y relación con la raíz.

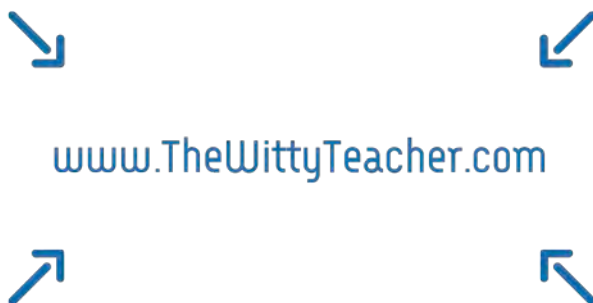
14



Groups will keep scanning QR codes until they reach the quantity previously set by the facilitator, at that time groups will hand in the completed sheet to the facilitator for perusal. The faster team to complete the challenge will be the winner.

Dependiendo de cuántos códigos se hayan establecido como meta pasan a escanear nuevos QR hasta que completan el reto y entregan la planilla al profesor para su revisión. El equipo más rápido será el vencedor.



















15



You can find tools to create and customize your QR codes at [thewittyteacher.com](http://thewittyteacher.com), therefore you can apply the mechanics of this game to other content areas and topics.

En [thewittyteacher.com](http://thewittyteacher.com) encontrarás las herramientas para generar tus propios códigos QR y así poder aplicar esta mecánica de juego al contenido curricular que necesites trabajar.



					
Air-Atmosfera	ancient, primi_ve	Around	Ball	before, in front of, prior to, ahead of me	Both, both kinds-
					
Brain	Circle	Color	Draw, write, record	Earth, land	Earth
					
Eye	Far, distant	Field, soil	Flat, broad	Foot	Half



					
Heat	Human	Hundredth	Life, living	Light	Location or artificial environment for---
					
Look at, examine, observe	Measurement	Move, movement	Old, ancient	One	Person who studies
					
Sound	Tenth	Thousand	Thousandth	Three	Time














 Acephalic, microcephaly	 Aerobic, anaerobic	 Agriculture	 Amphibian, amphitheater	 Anthropology, anthropomorphic	 Anticipate, antediluvian, antique
 aquarium, aquifer, aquamarine	 Archaeology	 Audible, audio, auditorium	 Bicycle, bifocal, binoculars	 Biodiversity, biology, biome	 Biologist
 Biped, tripod	 Caloric, calorie	 Centigrade, centimeter	 Cerebrum	 Chromatic, monochrome	 Chronometer, synchronize



					
Kilogram, kilometer	Kinesthetic	Microphone	Microscope	Milimeter	Optical
					
Orbit	Paleolithic	Palmipede	Peripheral, perimeter	Photosynthesis	Semiaquatic, semina- tural, semicircle



 Semicircle	 Sphere, hemisphere, stratosphere	 Subterranean, terrarium, terrestrial	 Telescope	 Terrarium	 Thermometer, ther- mostat				
 Thermometer	 Tripod	 Universe, unicom, uniform							

Enabling Learning / TWT Greek and Latin Root Words, Prefixes and Suffixes		
Root, prefix, or suffix	Meaning in english	Examples in english
A		
aero-	air, atmosphere	aerobic, anaerobic
agri-	field, soil	agriculture
ambi-, am-, amb-, ambo-, an-	both, both kinds	amphibian, amphitheater
ante-	before, in front of, prior to, ahead of time	anticipate, antediluvian, antique
anthrop-	human	anthropology, anthropomorphic
aqu-, aqua-, aque-, aqui-	water	aquarium, aquifer, aquamarine
archae(o)-, arche-	ancient, primitive	archaeology
-ary, -arium	location or artificial environment for animals and plants	terrarium
audi-	hear(ing), listen(ing), sound	audible, audio, auditorium
B		
bio-	life, living	biodiversity, biology, biome
C		
calor-	heat	caloric, calorie
cephal-	head	acephalic, microcephaly
cerebr-	brain	cerebrum
chrom-, -chrome	color	chromatic, monochrome
chron-	time	chronometer, synchronize

G		
geo	earth, land	geography, geocentric, geology
graph	draw, write, record	graphology, photograph
H		
hydr-	water	hydrate, dehydrate, hydrogen
K		
kine-	move, movement	kinesthetic
L		
-logist	person who studies	biologist
M		
-meter, metry	measurement	thermometer
O		
opt-	eye	optical
orb-	circle	orbit
P		
paleo-	old, ancient	paleolithic
palm	flat, broad	palmipede
-ped, -pod	foot	biped, tripod
peri-	around	peripheral, perimeter
phon(e)-	sound	microphone
photo-	light	photosynthesis
S		
scop(e)	look at, examine, observe	microscope
semi-	half	semiaquatic, seminatural, semicircle

spher	ball	sphere, hemisphere, stratosphere
T		
tele-	far, distant	telescope
terr-	earth	subterranean, terrarium, terrestrial
therm	heat	thermometer, thermostat

ScienceVOX Greek and Latin Root Words, Prefixes and Suffixes denoting quantity		
Root, prefix, or suffix	Meaning in english	Examples in english
bi-	two, twice	bicycle, bifocal, binoculars
cent(i)-	hundredth	centigrade, centimeter
dec(i)-	tenth	decimeter, decimal
di-	two	dicot, diode, dipole
hemi-	half	hemisphere
kil(o)-	thousand	kilogram, kilometer
mili-	thousandth	millimeter
semi-	half	semicircle
tri-	three	tripod
un(i)	one	universe, unicom, uniform



Secret code: A=1 E=2 I=3 O=4 U=5

Enabling Learning / TWT		
Greek and Latin Root Words, Prefixes and Suffixes		
Root, prefix, or suffix	Meaning in english	Examples in english
A		
aero-	air, atmosphere	
agri-	field, soil	
ambi-, am-, amb-, ambo-, an-	both, both kinds	
ante-	before, in front of, prior to, ahead of time	
anthrop-	human	
aqu-, aqua-, aque-, aqui-	water	
archae(o)-, arche-	ancient, primitive	



Root, prefix, or suffix	Meaning in english	Examples in english
-ary, -arium	location or artificial environment for animals and plants	
audi-	hear(ing), listen(ing), sound	
B		
bio-	life, living	
C		
calor-	heat	
cephal-	head	
cerebr-	brain	
chrom-, -chrome	color	
chron-	time	
G		
geo	earth, land	



Root, prefix, or suffix	Meaning in english	Examples in english
graph	draw, write, record	
H		
hydr-	water	
K		
kine-	move, movement	
L		
-logist	person who studies	
m		
-meter, metry	measurement	
o		
opt-	eye	
orb-	circle	
P		
paleo-	old, ancient	



Root, prefix, or suffix	Meaning in english	Examples in english
palm	flat, broad	
-ped, -pod	foot	
peri-	around	
phon(e)-	sound	
photo-	light	
S		
scope(e)	look at, examine, observe	
semi-	half	
peri-	around	
spher	ball	
T		
tele-	far, distant	
terr-	earth	
therm	heat	



Science VOX		
Greek and Latin Root Words, Prefixes and Suffixes denoting quantity		
Root, prefix, or suffix	Meaning in english	Examples in english
bi-	two, twice	
cent(i)-	hundredth	
dec(i)-	tenth	
di-	two	
hemi-	half	
kil(o)-	thousand	
mili-	thousandth	
semi-	half	
tri-	three	
un(i)	one	



TIME	15 min SHORT	30 min MEDIUM	SPACE	SMALL CLASS ROOM	MEDIUM PARK/GYM	BIG FIELD
	45 min LARGE	INDEFINITE		STATIC	GENTIL	LONG MOTION
	SOLITARY	1 - 1		ASIMETRIC	TEAMS	LARGE GROUP
SETTING			DIFICULTY			
	ELABORATE  EASY			HIGH  EASY		