

49th Stirling Physics Teachers' Meeting



ESCAPE the CLASSROOM

Thurs 23rd May 2024

IOP Scotland Teacher Network



The screenshot shows a blog post titled "Stop the Bomb" on the IOP Scotland Teacher Network website. The page features a blue header with the IOP logo and navigation links. Below the header is a yellow banner with a repeating pattern of blue leaf-like shapes. The main content area is white with a blue sidebar on the right. The post text describes a challenge for a physics class. The sidebar contains a search bar, a "RECENT POSTS" section with links to "Escaping the Room" and "The Case of the LASER", and a "Tag: ESCAPE ROOM" section. At the bottom, there is a small image of a white box with a red dot and a black device.



The screenshot shows a blog post titled "The Case of the LASER" on the IOP Scotland Teacher Network website. The page features a blue header with the IOP logo and navigation links. Below the header is a yellow banner with a repeating pattern of blue leaf-like shapes. The main content area is white with a blue sidebar on the right. The post text describes a challenge for a physics class. The sidebar contains a search bar, a "RECENT POSTS" section with links to "Escaping the Room" and "Stop the Bomb", and a "Tag: LASER" section. At the bottom, there is a small image of a brown envelope with a red marker and a white card that says "The Case of the LASER".

<https://www.mrsphysics.co.uk/blog/laser-1/>

<https://www.mrsphysics.co.uk/blog/stop-the-bomb/>

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The research is coming



Mixed reviews... but my kids loved them. Stress relief?

[Escape education: A systematic review on escape rooms in education - ScienceDirect](#)

Escape education: A systematic review on escape rooms in education

[Alice Veldkamp](#)^a   [Liesbeth van de Grint](#)^b, [Marie-Christine P.J. Knippels](#)^a,
[Wouter R. van Joolingen](#)^a

Show more 

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<https://doi.org/10.1016/j.edurev.2020.100364> 

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 open acc

Highlights

Usually, educational escape rooms are based on recreational escape rooms

There is a discrepancy in perceived and actual learning in educational escape rooms

Educators use the game's time constraints and teamwork for different reasons

In educational escape rooms more alignment in game and educational aspects is needed

Debriefings with reflection on learning might improve educational escape rooms

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Reasons

Teamwork, communication,
PS, critical, analytical
thinking, reasoning,
performing under pressure

When

Standalone, intro,
consolidation

Teachers

When to intervene,
monitor, guide, hints,
debrief- but don't guide too
early

What

At SoS suggested a story
works best but not too busy
like mine 1st attempt!

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Ideas

Sudukoa, rebuses,
crosswords jigsaws- but
we've got Science so:

Weighing

Vectors

Refraction

pH tests (ooh chemistry)

Circuits

problems,

Cryptograms

Radioactive decay (theory!)

Mirrors, UV beads,

Projectiles, odd one out,

Practice problems, perfect
answers

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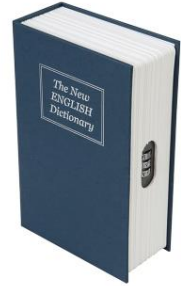


#5



ACCURATE Money Box Tin Steel Cash Safe Box Petty Cash Tin with Lock 2 Keys - Black (6 INCH)
 ★★★★★ 158
 £9.99

#7



Silverline 534361 3-Digit Combination Book Safe Box 180 x 115 x 55 mm , Blue
 ★★★★★ 2,630
 £10.77

Hardware > Padlocks & Hasps > Padlocks > Combination Padlocks



Roll over image to zoom in

Combination Padlock Heavy Duty Locks - BeskooHome 4-Digit Weatherproof Combination Lock Resettable Combination Padlock Outdoor for Gym, School, Hasp, Outdoor Shed, Storage, Cabinet, Toolbox - 3 Pack

Visit the BeskooHome Store
 4.5 ★★★★★ 1,816 ratings

Amazon's Choice

500+ bought in past month

-10% £8.99

Was: £9.99

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Back to results



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Brand: Oreq
 5.0 ★★★★★ 1 rating

-4% £24.11

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FREE Returns

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Brand: Oreq
 Special feature: Key Unlock
 Lock type: Key Lock
 Material: default

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Monifieth High School

<https://www.youtube.com/watch?v=Vr4Ftrrq8oA>

(you can do a great job on a budget too)



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<https://expensesreceipt.com/index.html>

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Gas Station
Local Gas Station
12232, Gas station Street
Gas City, SC, 944567

Pump No: 2
Unleaded @ \$ 3.99
Volume: 23.89 Gal

Gas Total: \$ 95.48
Total: \$ 95.48

Approval: 062485
VISA
*****2222

00:00:0000 00:00:00

Sheett 888
12122 Mobile Pump St
Pump City
SC 23554

Pump No: 11
Unleaded @ \$12.988/G
Volume: 2.459 Gal

Gas Total: \$ 31.94
Total: \$ 31.94

Approval: 257635
VISA
*****2222

10/19/2019 12:16 PM

Generate custom online Gas - Petrol - Diesel Receipt Maker

Click Me To Choose The Receipt Templates

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Trusted by thousands of people in 84 countries.

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1211 Green Street
New York, NY 10000

AROMA CAFE
1211 Green Street
New York, NY 10000

AROMA CAFE
1211 Green Street
New York, NY 10000

Differentiation or Pockal it!

TASK 2: Find the cost of 2 alpha particles and a beta particle. (don't forget the tax)

Find the cost of 2 alpha particles and a beta particle (ignore the tax)

Find the cost of 2 alpha particles and a beta particle (don't tell them about the tax)

Give us feedback

Thank you! ID #: N5.18/1/4/9/1/20/9/15/14



Mrs Physics Particle Emporium,
Glasgow Road, Lockerbie, EN3 5RP

ST# OP#	Fermion TE#	17	TR# 27980
EM wave	EM Radiation	F	£3.08 X
UUD	Proton		£16.73
DDU	Neutron		£16.75
Lepton	Electron		£9.11
	SUBTOTAL		£45.67
	TAX	20%	8.52
	TOTAL		£54.19
	VISA TEND		£54.19
	CHANGE DUE		£0.00

ACCOUNT #
APPROVAL # AH6426
REF # 874517334634
TERMINAL # 8398088164

***** 2102

ITEMS SOLD 4

TC# 2080 8770 8757 1832 7000



copycoder

<https://www.copycoder.com/>

A great idea for checking on perfect answers to definitions. Selecting the correct ones and doing a sum results in the answer to a lock

COPYCODER PRIVATE MESSAGES
MAKE YOURS HERE

SHARE A SECRET NOW

IDEAL FOR PRINTING OUT ON CARDS - ALL MESSAGES ARE FREE.

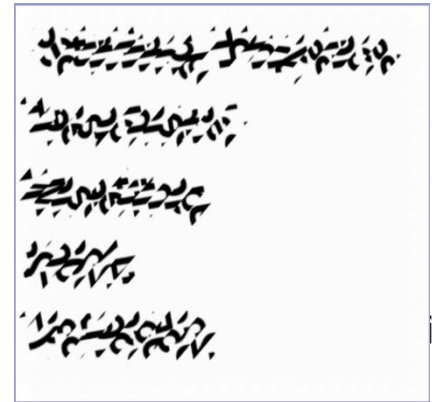
TO READ THE SECRET MESSAGE
PUT A COPYCODER PANEL ON TOP.

THE COPYCODER IS ONLY AVAILABLE FROM
MINDSETS ONLINE.

COPYCODER
GET IT HERE

Secrets are now hidden.
Once they're gone - they're gone!

The screenshot shows a purple-themed website for CopyCoder. At the top, it says 'COPYCODER PRIVATE MESSAGES MAKE YOURS HERE'. Below this is a central image of a man and a woman kissing, with a CopyCoder panel placed over the image. To the left and right of the image are smaller images of the CopyCoder panels. Below the central image, there is a yellow button that says 'SHARE A SECRET NOW' and a line of text: 'IDEAL FOR PRINTING OUT ON CARDS - ALL MESSAGES ARE FREE.' At the bottom left, there is a section titled 'TO READ THE SECRET MESSAGE PUT A COPYCODER PANEL ON TOP.' showing two CopyCoder panels, one of which is placed over a card that says 'Top Secret Information'. At the bottom right, there is a blue banner with the CopyCoder logo and the text 'GET IT HERE'. Below the banner, there is a small line of text: 'THE COPYCODER IS ONLY AVAILABLE FROM MINDSETS ONLINE.' and at the very bottom, a small line of text: 'Secrets are now hidden. Once they're gone - they're gone!'.



Decoder / Cipher

Easiest way is to change font!

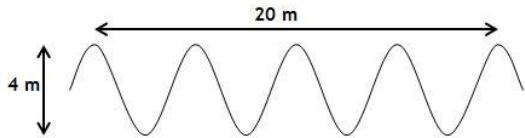
To use the cipher answer at least one of these questions and you'll be on the right lines!

I am the answer to this question

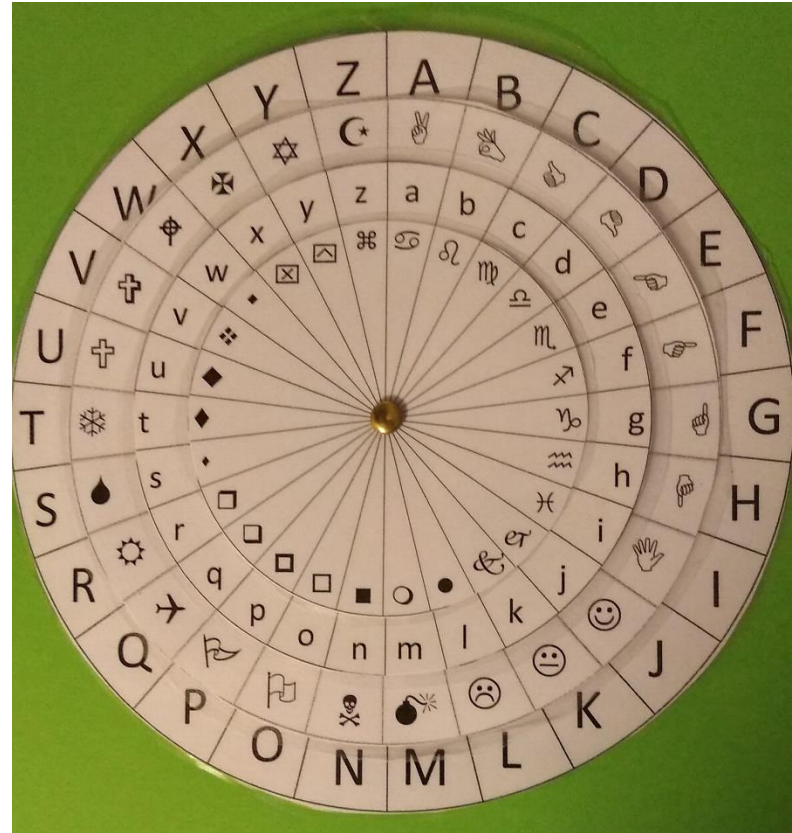
or

A is the answer to the amplitude of this wave

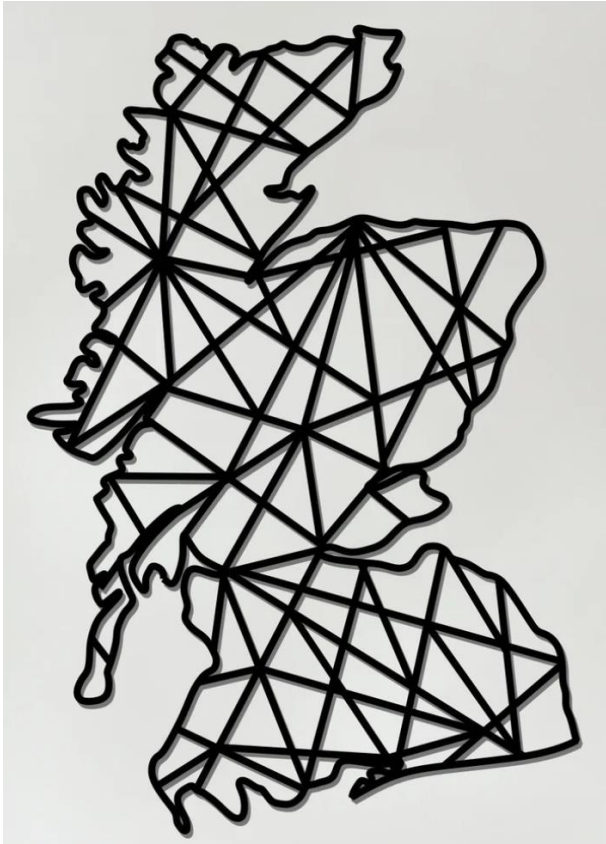
I am the wavelength of these waves



& remember if you put me in a box, I'm still the same



Check your bearings



Can students find bearings

A great way to give practice to N5 students about bearings!

Where do you end up.

Add numbers underneath for a clue answer

GO & SHOW YOUR CREATIVITY-EITHER

Try and make some puzzles



Try the puzzles I've made



Or do the Radiation ER