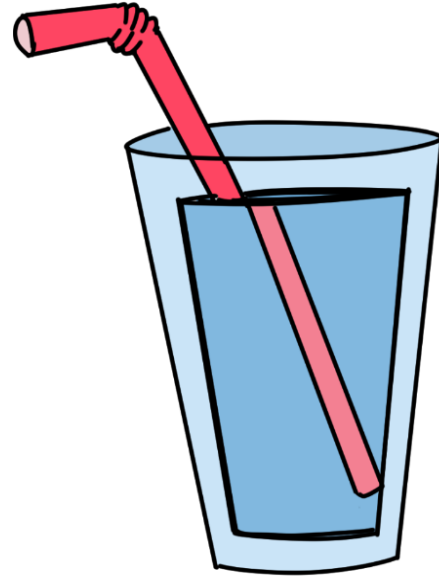


Friday 7th February

Science Books

Light doesn't always travel in straight lines like it wants to; it can change direction.

Light rays change speed when they pass across the boundary between two states of matter, such as gas and liquid. This causes them to change direction, and this effect is called **refraction**.



Have you ever seen a small rainbow on a wall in your house or school? This is formed when light is **bent** (refracted) through a **prism** (a glass object with flat, polished surfaces). The prism causes the visible light to bend or refract. The **violet light** is bent more than the red and yellow light, so the **colours separate**. These colours - all the colours of the rainbow - make up visible light.

Rainbows in the sky are made when light travels through water droplets, causing the light to refract.



Test this out with a prism and a torch to see it in real life!

Answer these questions in your Science book:

1. Using the words 'states of matter, speed and bend' define refraction.
2. Draw a scientific diagram showing refraction.
3. Scientifically explain how we may see a rainbow outside.

07.02.25

Arithmetic

100%	50% 100	25%	75%
10%	1%	200%	150%
0.5%	90%	2%	35%
2.5%	99%	5%	20%

07.02.25

Arithmetic

1 $738 + 100 =$

2 $244 \times 2 =$

3 $3.4 + 0.5 =$

4 $32 \times 4 =$

5 $1025 + 432 =$

6 $49 \div 7 =$

7 $564 - 9 =$

8 $3.5 + 0.05 =$

9 $3 \times 5 \times 2 =$

10 $\frac{3}{4} - \frac{1}{4} =$

11 $776 \div 8 =$

12 $2.34 \times 100 =$

13 $5^2 =$

14 $40,400 - 500 =$

15 $100 \times 200 =$

16 $1704 \div 12 =$

17 $20\% \text{ of } 2300 =$

18 $1.24 \times 8 =$

19 $\frac{1}{5} + \frac{4}{5} =$

20 $4671 + 9175 =$

21 $9505 \div 5 =$

22 $15 - 8.01 =$

23 $48 \times 26 =$

24 $12.6 - 7.77 =$

25 $4928 \div 14 =$

26 $\frac{1}{3} \times \frac{1}{5} =$

27 $95\% \text{ of } 360 =$

28 $365,728 - 41,992 =$

29 $528 \times 46 =$

30 $16 \times 1\frac{1}{2} =$

31 $35 - 3 \times 4 =$

32 $\frac{3}{4} \div 3 =$

33 $1\frac{2}{5} - \frac{3}{5} =$

34 $5043 \div 41 =$

35 $\frac{2}{3} + \frac{4}{5} =$

36 $\frac{5}{8} \div 3 =$

Friday 7th February

TBAT: edit a recount from an evacuee's perspective.

3 in 3

1. Active or passive?

The story was performed by the storyteller.

2. Add a co-ordinating conjunction and continue the compound sentence.

The trees seemed dark and foreboding _____

3. Which 'ie' words are being described below?

Someone in charge =

A type of fuel =

CHALLENGE: can you write the first sentence in the past perfect tense?

Friday 7th February

TBAT: edit a recount from an evacuee's perspective.

Edit this sentence:

Olive who was not looking at me was moving around the train looking for the perpetrator they still had my comic.

Finish this sentence:

Cliff the youngest child now on the train was sitting next to his sister Olive I could see them whispering to each other they were looking for each something.

Challenge – can you write a sentence that uses parenthesis about Esther?

Friday 7th February

TBAT: edit a recount from an evacuee's perspective.

WTS Criteria:

- Capital letters for proper nouns
- Full stops
- Finger spaces
- Legible writing
- Y3/4 words

EXS Criteria:

- First person
- Past tense
- Parenthesis or relative clause
- 2 of the Year 5 /6 spelling words spelt correctly
- **Joined handwriting**

GDS Criteria:

- 5 of the Year 5/6 words spelt correctly
- Ambitious vocabulary
- Emotive language used – provoking emotion from the reader
- Range of punctuation () - ;

Challenge – Can you include a colon in your writing?