

DEDUCTION - ANSWERS



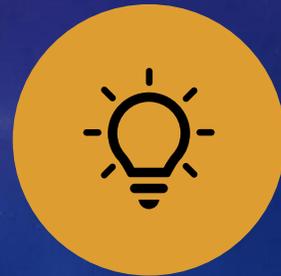
Jamie has smashed his Lego models.



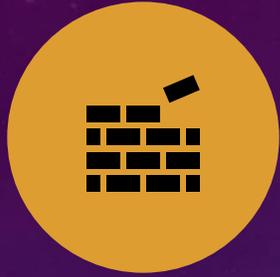
Jamie doesn't want to say goodbye because he thinks it is the last time he will ever see him.



'Buzz' realizes that Jamie and his dad are 'connected'.



'Buzz' is going to teleport Jamie to the Lux Aeterna.



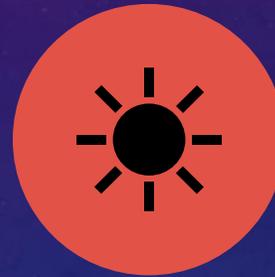
It shows how upset Jamie is that he is destroying something he built with his dad.



The word 'synchronise' sounds technical and it also means that two things become the same – it reflects that 'Buzz' is learning how Jamie feels about his dad.



These memories are really powerful and show the bond between father and son. It leads to 'Buzz' realising how much Dad means to Jamie.

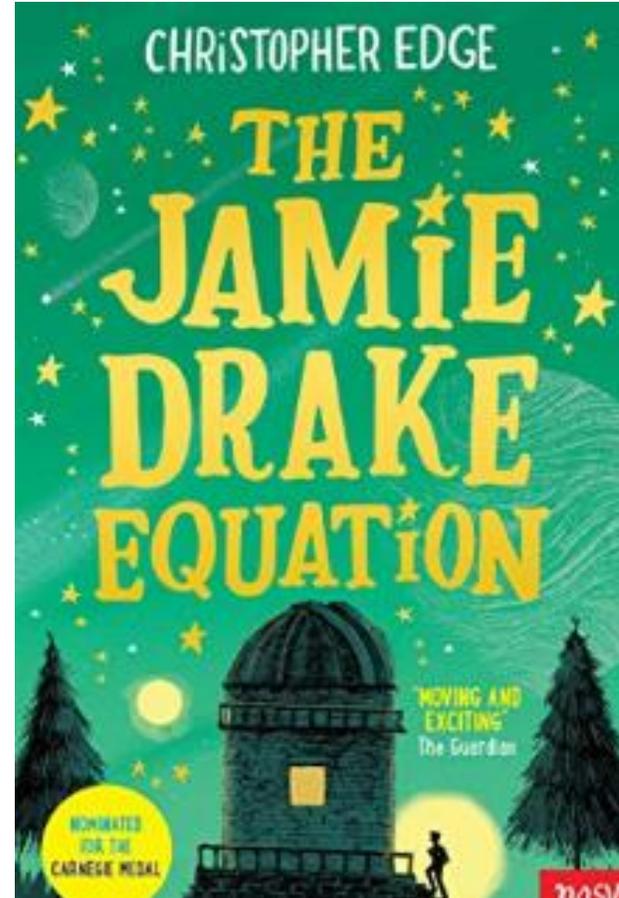


I think it is because sunlight is crucial for life (the Goldilocks Zone) but also the cause of Dad's problem in the first place.

QUERIES - ANSWERS

THE JAMIE DRAKE EQUATION

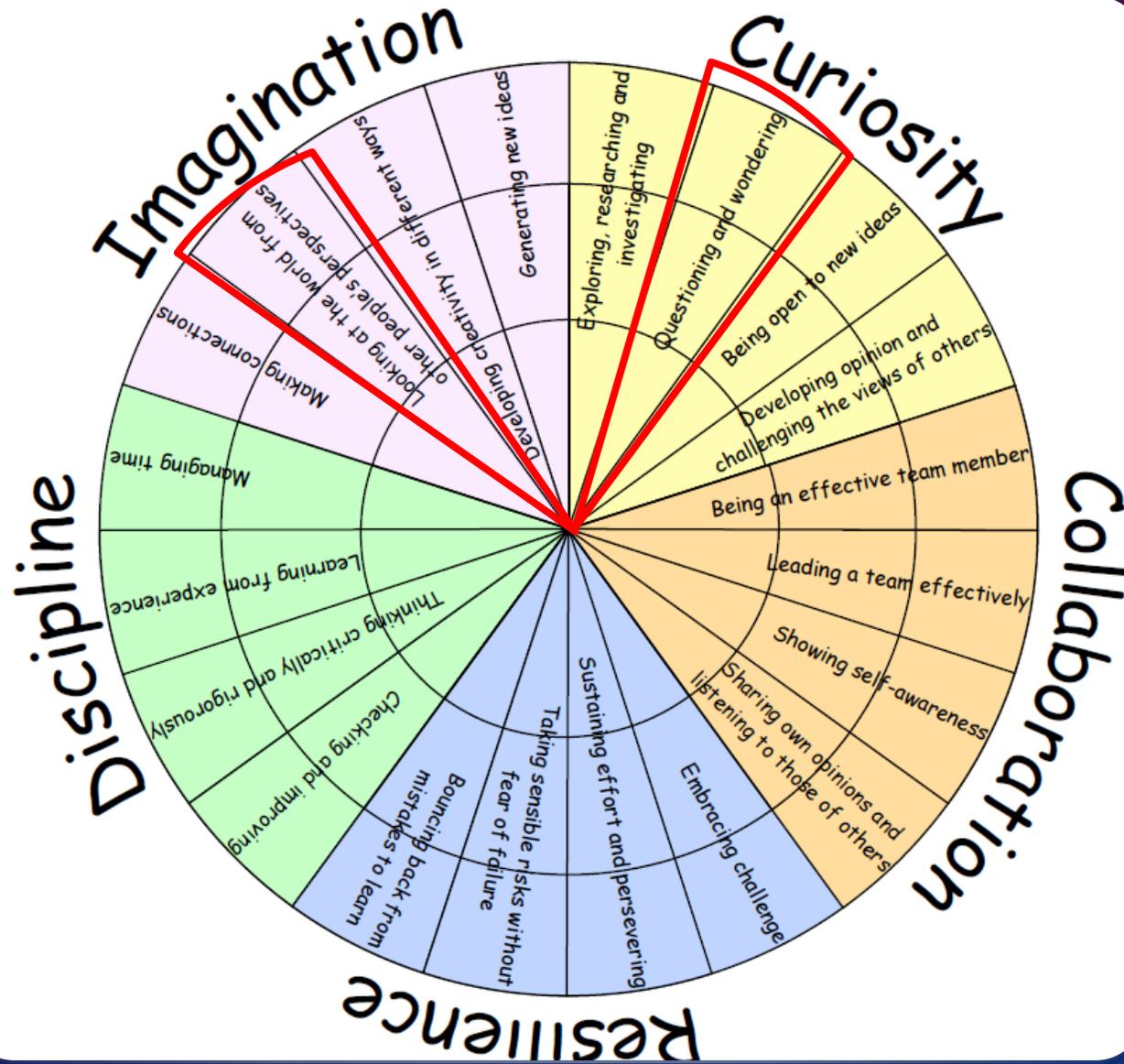
BY CHRISTOPHER EDGE



RESPONDER (15II)

- I can articulate personal responses to literature, identifying how and why a text affects the reader due to authorial intent

LEARNING HABITS



- What do you think is the most important Learning Habit?
- Is it one of your strengths or is it something you need to develop?
- How will you know that you have practised that Habit during the lesson?



Stepping back, I take a final look at the makeshift structure that we've built at the base of the telescope. Wooden panels and metal shelves from the cabinets that housed the computer equipment are stacked, seemingly haphazardly, to make what looks like a tepee.

Glancing through the opening at the front of this, I can see reels of magnetic tape draped in spiralling curtains, hiding the interior from view. Professor Forster has cannibalised the mobile Laser Optical Ground Station, following Buzz's instructions to patch its electronics into the heart of the structure. Multicoloured cables twist around the outside, humming with an untapped power as the

frame rises to meet the eye of the telescope.

"Have we done it right?" I ask, holding up my phone so that Buzz can see it through the camera lens. "Will it work?"

"I don't know," Buzz replies. "Your technology is so primitive. What we have built here is a mere shadow of the work of an age for the Hi'ive."

"We don't have an age," I snap, glancing down at my watch and seeing with a sickening lurch the time that's left. "We've only got an hour until Dad's oxygen runs out."

"There is only one way to find out. You must step into the light."

"Then let's do it," I say, desperate to get on with the job of saving my dad. I turn towards Professor Forster. "Open the hatch."

Standing by the observatory controls, the astronomer looks torn.

"I don't think you should do this, Jamie. It's too dangerous. If you look at the Sun through a telescope you will go blind, but if you step inside this you will be torn to pieces." I can hear the fear in her voice. "There are seven trillion billion atoms inside your body. Even if the Hi'ive can teleport and reassemble them all on board the Lux Aeterna platform, there's no transporter room there to bring you back."

I look at the ramshackle tepee – a far cry from any *Star Trek* invention. I can feel the black hole beating inside my chest. I don't care how dangerous it is – I've got to bring my dad home.

I glance down at the phone in my hand. Buzz has reprogrammed the ISS tracker app to fix on the location of the launch platform, while Professor Forster has connected my mobile to the observatory's wifi. I'm running out of time, so I ask Buzz the only question that matters now.

"There's no way I could build anything like this up in space. How am I supposed to get back?"

"The light will be inside you," Buzz replies. "That is all you need."

I don't really understand what Buzz means, but as my watch ticks, there's no time to ask anything else. I call out again to Professor Forster.

"Please," I beg. "Open the hatch."

With a reluctant shake of her head, the astronomer presses a button to open the hatch in the roof



of the dome. The telescope is already aimed straight at the Sun and, as the hatch slowly opens, daylight floods into the observatory.

At the base of the telescope the makeshift structure is enveloped in a golden glow. Its surface crackles with untamed energy as an intense buzzing sound fills the observatory.

Taking a faltering step forward, I peer fearfully into its interior. All I can see is a blinding white light.

“You can’t do this, Jamie!” Professor Forster shouts, raising her voice above the deafening hum.

“You’ll be killed.”

Clutching my mobile phone tightly, I shake my head.

“My dad’s up there,” I say, fighting against every urge that’s telling me to turn and run. “And I’m going to find him.”

I step forward into the light, the buzzing noise silenced as the light surrounds me.

And then I swarm.



DEDUCTION



Where is Jamie at the beginning of the chapter?



What does 'cannabilised' mean?



What is the 'black hole' beating inside Jamie's chest?



What is the blinding white light Jamie can see in the interior?

QUERIES



Why has the author made the plan that 'Buzz' comes up with 'dangerous'?



When the author planned the story, do you think that he always intended Jamie to use the observatory to rescue Dad?



Why has the author made Professor Forster particularly against the plan?



Do you think the author is trying to make you think that the plan will or won't work?

HOMEWORK

LISTEN TO CHAPTER 25 ON PODBEAN:

<https://www.scotholme.com/podcasts>

