MB Aerospace

Activity Academy



Part 1

Activities!

Annabelle Cloud & the Puzzle Busters……Page 3

Meet the Puzzle Busters…… Page 4

Turbine Products & the Missing Answers…… Page 5

Stores and the Wrong Order…… Page 7 & 8

HR & Training the Lost Property…… Page 9

Break Time…… Page 10

Annabelle Cloud and the Puzzle Busters!



G'day! My name is Annabelle Cloud. I am 7 ¾ and I'm from Australia. This is a land far away and is known as a continent. Australia is a really fun place and have loads of really interesting wildlife. They have Kangaroos, baby Joeys, Kuala Bears and lots of spiders! Two years ago, my family moved to Newton Abbot in England. Both my parents are Aerospace Engineers, and work at MB Aerospace. They design and make parts for aeroplanes and helicopters. This is a super important job and means people all over the world can travel to new places and have supplies like medicine delivered to them.

When I first moved to Newton Abbot, I didn't have any friends. Then I joined an after-school club called The Puzzle Busters. Now I have lots of friends and we all enjoy exploring the outside, learning new facts, solving mysteries and busting puzzles!

Today MB Aerospace sent my Mum a text. They have asked for our help to solve a mystery.

Here is what the text said.

Hi Cynthia,

I need the help the help of The Puzzle Busters. Someone has hidden the key to the engine room. Martin and Glyn from the maintenance team are on holiday, so we can't get in! Whoever has hidden the key has left activities and tasks all around our shop floor to complete. If they are finished and handed in to Anneka – we can get our engine room key back, and our iPads. Craig is visiting next week, with Matt, George and Gregor. We really need to get into that room! Do you think Annabelle and her friends will help? We will of course award them with a prize to say thank you.

Cheers, Ian.

This is such a great opportunity to help the MB Aerospace team, and I know we can solve these puzzles if we work together and share our ideas. Before we start our mission, I'd like to introduce you to the rest of the group.



Hi! I'm Shay! I'm 7 years old, and I really like getting my hands muddy. My favourite hobby is looking for frogs and slugs in my garden. I love eating pizza, sweets and going on adventures with my friends! When I grow up, I'd like to be a Farmer. I'm really good at sport, but I'm not very good with colours. I get them mixed up with each other.



Hello, my name is Mae and I'm 8. I was named after Mae C Jamison. Mae was FIRST EVER African American Female Astronaut to go into Space, in 1992. I really enjoy science and maths. When I grow up, I'd like to become a scientific environmental researcher, and help save our planet. I'm really good at number games, and love playing countdown with my Grandpa Hux. I'm not very good at writing though!



Hi there! We're Seb and Finn. We became brothers 4yrs ago when we were both 3. Our Mums got married, and now we all live together in Paignton, by the beach. It is so pretty here, and always full of colours and shapes. We really enjoy painting and creating art, it can be so much fun. Especially when you get to put your hands in paint and make lots of mess. When we grow up we'd like to be artists, like Banksy!



We are Twiddle Twins. I'm Tamsin, and this is my big brother Torbert. He is 2 minutes older than me, but I am taller. Our favourite hobby is learning new words! My favourite words are known as 'Onomatopoeia' This means when words are spelt how they sound. Like 'CRASH'! 'POP'! 'BANG'! Words are just so fun, and help us describe what we think, feel and see. We just love words!

Puzzle 1. Turbine Products and the missing answers!



Ok! Here is our first task. We will need to read the instructions carefully and make sure we work as a team. We all have different skills and strengths, so let's share ideas and ask for help.

"Hi Annabella and The Puzzle Busters! Its Jon and Andy here. We look after the Turbine Products department. When we came in this morning, we found this quiz pinned to one of our milling machines. Could you take a look, and try and help us find the answers? I hope you can help us find our key to the engine room. Our iPad is in there, and Jon's running shoes!"

1) A Common Garden Insect L_ _ _ _ _ _ _
2) A Yellow Fruit _A_ _ _ _
3) A Building Where Films Are Shown C_ _ _ _ _
4) A species of Animals Who Lived a Million Years Ago _ _ _ _ _ _ _ R
5) Opposite of Dark _I_ _ _
6) Largest Planet in the Solar System J_ _ _ _ _
7) Seventh Month of the Year J_ _ _
8) Baby Sheep Are Called _A_ _ S
9) The Country Where Kangaroos Are From A_ _ _ _ _ _

Bonus Question! You might need to ask someone in your family to help you with the answer, you need to get this one right. It is where you need to go next to continue your quest for the missing key!

Q: Where in MB Aerospace Newton would you go if you needed a new pair of safety shoes?

A: S_ _ _ _ _

Stores and the Missing Order!



Ahhh! Yes! Numbers! I love numbers. I can help you with this puzzle. It can be tricky, so make sure you take your time and check your answers.

Oh, it looks like we have a note to read first!

Hi Mae! Kate and Vicky here! When we came back from the canteen after lunch, we found all our items for orders all jiggled around. The Training School need more safety glasses. They seem to just disappear from there! Could you have a look at the numbers below and place them in the correct order. Ohh, hang on! The phone is ringing.

''Hello? Hi Nicole. Yes, Mae from The Puzzle Busters is with me now. Yes sure, I'll let her know.''

Mae, when you have finished helping us in Stores could you and your team go over to the HR & Training Department. Nicole has asked for your help. I'm not sure of the details, Nicole said it was confidential.

Come on Puzzle Busters! Let's crack this!

This looks difficult. Take your time and use your fingers if you need to. Maybe a tally system would help?

What is a tally system? Let me show you.

I = 1

II = 2

III = 3

IIII = 4

~~IIII~~ = 5

10	3	8	7	5	9	4	6	1	2
20	18	15	19	13	17	14	11	12	16
30	28	21	29	26	22	24	27	25	23
40	38	36	34	37	35	32	31	33	39
50	47	49	45	48	43	46	44	42	41

1		3			6			9	
11			14			17			20
21		23					28		30
	32		34		36				40
41			44			47			50

HR & Training – Lost Property!



Lost Property? I'm Shay, and I'm the best person to crack this puzzle! I love looking for things, but I get confused with colours. I need some help with this one, I think! Let's get Seb and Finn to help too!

Hi Shay! We are really good with colours. We can help look for Nicole's lost property with you. First, we need to read the note from Nicole.



Hi Puzzle Busters, thank you for helping MB Aerospace solve all of these puzzles and tasks. We really do need our engine room key back!

Earlier today, I came into my office saw that my Pikachu had been thrown in with all of my other Pokémons. I really need it back. I have a meeting with Phil later, and he is expecting me to bring it! Please could you have a look and see if you can find it? When you have, please could you take it across to IT. Ben, Nick, Stuart and Josh would like to have a look too. They haven't seen one before. They are very rare. Good luck! Nicole 😊

Look very carefully but remember to have a break if your eyes start to hurt.



Break Time!



Ok Puzzle Busters, it is time for a break. You are all doing really well. Now it is time to rest our minds, and eyes. Our mission is not over yet though! Part 2 is on the way!

Top Tips for Resting!

1. Get some fresh air – in your garden, if you have one
2. Eat fresh fruit, like an apple
3. Read your favourite book
4. Watch your favourite film
5. Get an early night

See you soon,

Annabelle, and The Puzzle Busters