A STEM-sational book series for
adventure seekers and super problem-solvers

SUPER★QUESTERS

READ
QUEST
LEARN
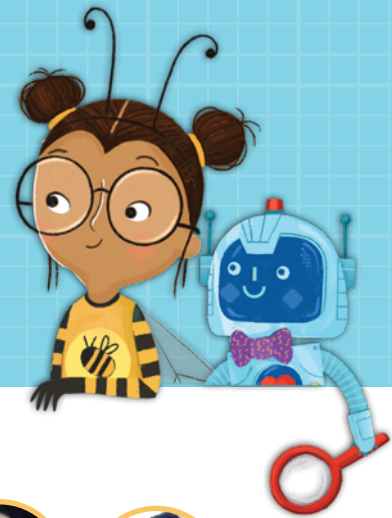
ACTIVITY PACK

SUPER★QUESTERS
The Case of the Stolen Sun

SUPER★QUESTERS
The Case of the Missing Memory

SUPER QUESTERS

The Case of the Missing Memory

BY LISA MOSS & DR THOMAS BERNARD

Welcome to the SuperQuesters Activity pack!

We're delighted to introduce you to the SuperQuesters series, which has been expertly designed by authors Lisa Moss and Dr Thomas Bernard to develop STEM skills for children aged 4-8. Perfect for fans of *Izzy Gizmo*, *Ada Twist, Scientist*, the *Fantastically Great Women* series and superhero enthusiasts, these fantastic new books are ideal for children who love learning through play.

SuperQuesters is a young fiction adventure series at its heart with a non-fiction educational twist. Each adventure addresses a specific scientific question and the central characters become their alter ego superheroes, the SuperQuesters, journeying to magical Questland to answer the question for the reader. Readers are invited to help the SuperQuesters complete their 'mission' by interacting with a series of activities (the STEM quests) to arrive at the answer. While completing each overarching 'mission' in Questland the reader develops **12+ different STEM skills** such as **coding**, **abstraction**, **logic** and **trial and error**, covering key aspects of the **Key Stage 1 Computing, Maths and Science National Curriculum.**

This activity pack has been created for use at home, in the classroom, for home-schooling or at after school clubs with creative and interactive activities to help make STEM learning fun and engaging.
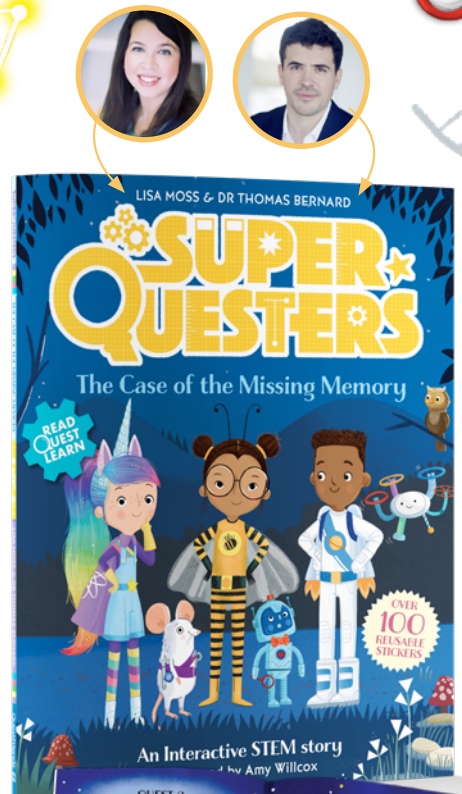
School bundles including copies of the books and downloadable SuperQuesters teacher's guides are available for purchase to bring the books and STEM learning to life in the classroom and after school clubs. Order from www.questfriendz.com/superquesters or your preferred school supplier.

It's time to Read, Quest, Learn!

ABOUT THE BOOKS

The SuperQuesters series is a unique new concept in storytelling combined with hands-on STEM learning.

In *SuperQuesters: The Case of the Missing Memory*, when Bea's robot B-bot malfunctions after installing a new dance software, the three friends put their heads together and return to Questland in search of the cause. Upon arrival, the trio discover that Lord Grumble is wreaking havoc with his new Memory Machine, stealing memories from everyone. Can you help them to restore normality to Questland before it's too late? The SuperQuesters show that *anything* is possible with **clear thinking**, **logic** and **patience**. With over **100 reusable stickers** in each book, plus a **reward chart**, **glossary** and **answer page**, children will love charting their progress and celebrating their success.
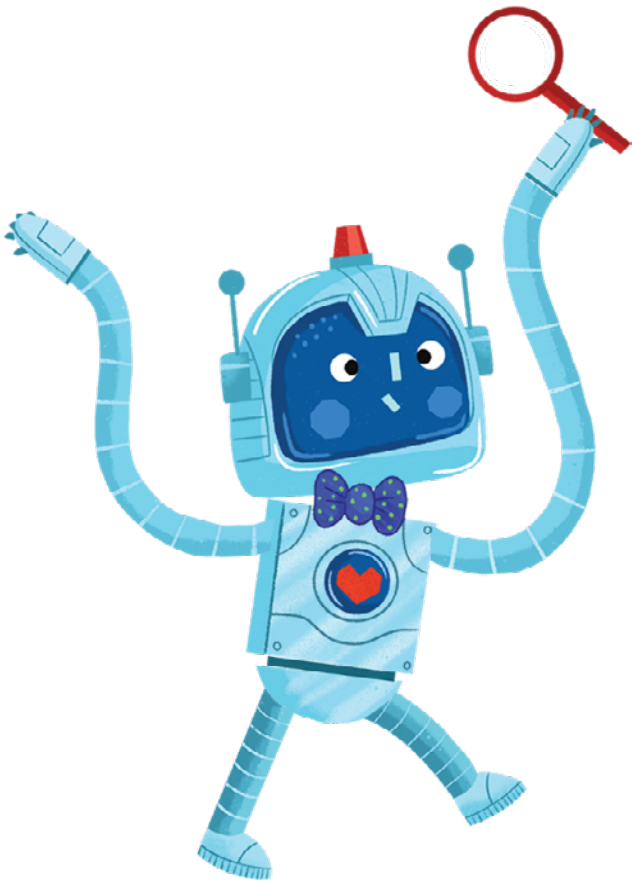
SUPERQUESTERS

Bea Bumble and B-bot's Design Challenge

In *SuperQuesters: The Case of the Missing Memory,* the SuperQuesters learn about robotics, coding and computing memory. They find out that B-bot malfunctioned when they tried to install new dance software because he needed more memory.

Design your own robot below.

READ QUEST LEARN

Leo Zoom's Programming Challenge

Follow the instructions below to help Leo Zoom to find the object he is searching for in Questland. Draw a circle around it once you have identified it!

Note: Leo has used Python as the programming language which is one of the most well-known programming languages.

```
Def function_Where_Is_Object
    if not food:
        if floats:
            if red:
                print("Object is found. Mission accomplished!")
            else:
                print("Object not found!")
        else:
            print("Object is still not found!")
    else:
        print ("Object is not there!")
```

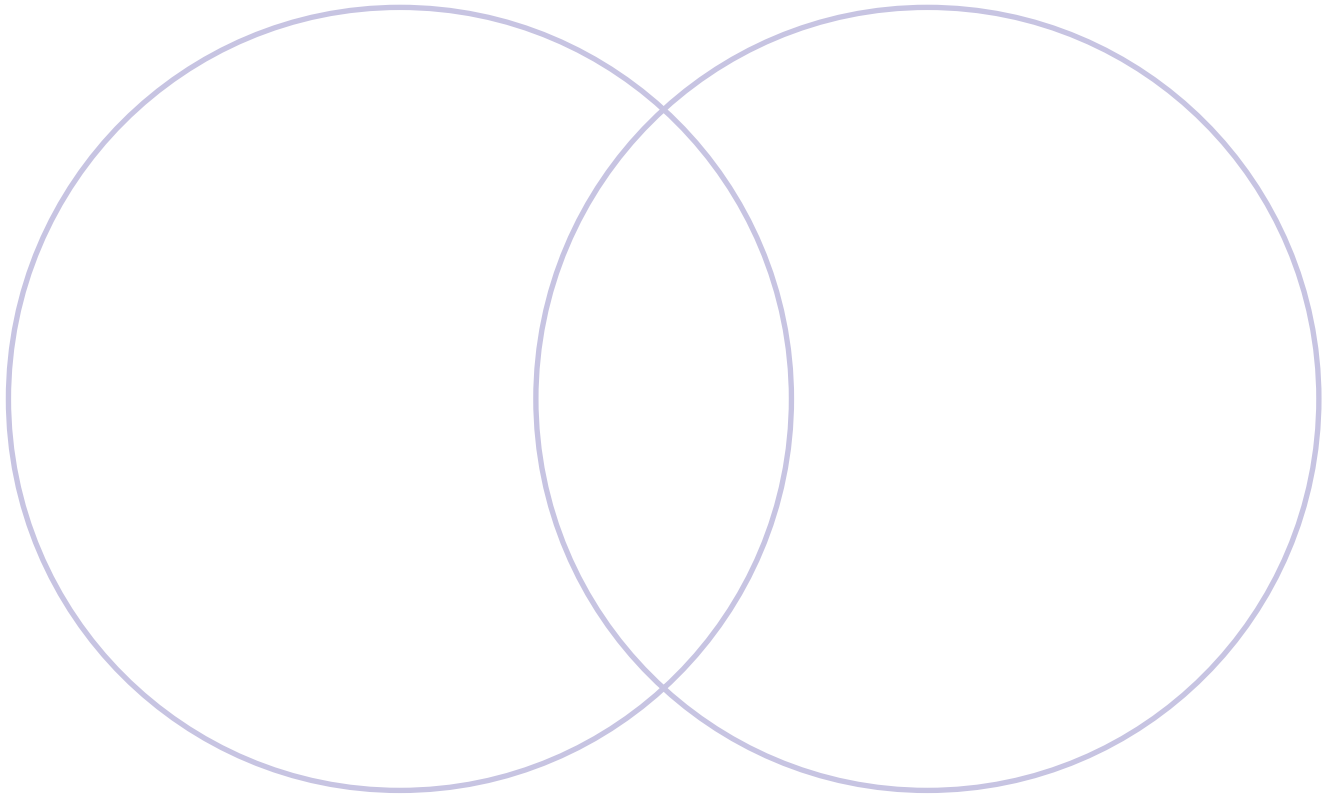**STEM SKILLS:** Coding, debugging

Lillicorn's Sorting Challenge

Can you help Lillicorn to sort all the items according to **planets** and the colour **red**?

Cut out each item and stick in the correct circle(s).

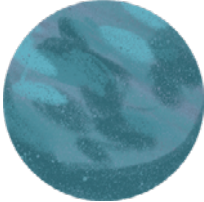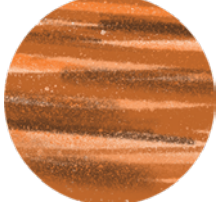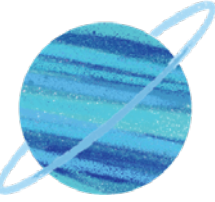Red   Planets

STEM SKILLS: Sorting

Amelia Drone's Coding Challenge

Can you help Amelia Drone to collect all of the planets on her way to meet Leo Zoom?
Draw arrows in the blocks from **Start** to **End** (including those with planets).

Note: You can only land on the same block once.
Try to complete the quest in 11 steps.

STEM SKILLS: Coding, sequencing

SUPERQUESTERS

Draw your future self. What will you be when you grow up?

Share your dreams for your future. What are your superpowers and strengths?
What problems will you solve?

Lillicorn Facts

Superpower: loves to explore

Strength: finding answers to big questions

Special STEM skill: experimenting with liquids, solids and gases

Future dream: Chemical engineer

Bea Bumble Facts

Superpower: dreaming up amazing creations

Strength: learns from her mistakes

Special STEM skill: designing and building inventions

Future dream: Robotics developer

Leo Zoom Facts

Superpower: lightning speed calculations and coding

Strength: super-duper problem-solver

Special STEM skill: a Maths wizard and super coder

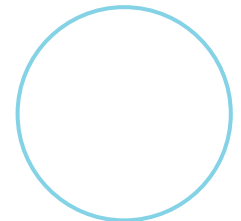**Future dream:** Astronaut

My SuperQuesters name is _____

My Facts

Superpower: _____
_____

Strength: _____
_____

Special STEM skill: _____
_____

Future dream: _____

SUPERQUESTERS

Leo Zoom's Spaceship Design Challenge

Leo Zoom is an awesome astronaut and loves space travel. Can you help design a new space ship for his next adventure in Questland?

Draw your space ship in the space below.

SUPER QUESTERS

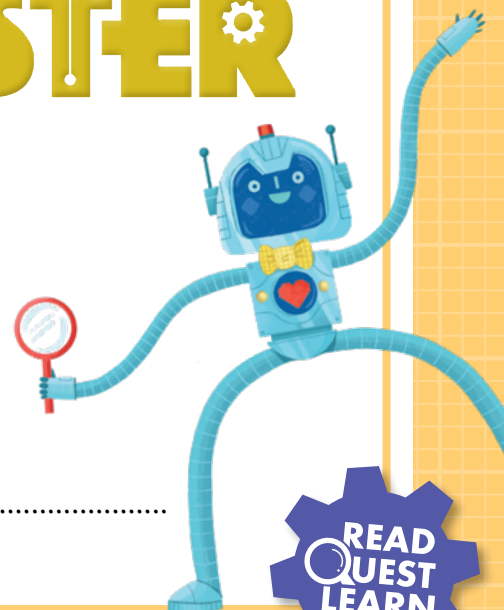## AWARD CERTIFICATE

This is to certify that

....

is a fully qualified

The Case of the Missing Memory

SUPERQUESTER

Congratulations!

Date: ....   Signature: ....

READ
QUEST
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