At Winchester Science Centre, we’re committed to sparking curiosity in STEM (science, technology, engineering and maths) for everyone!

Our Science@Home programme has been designed to bring the fun and engaging content we have at the Centre into your homes by creating family centered learning, which will support children with working scientifically to answer questions.

Each of our curiosity challenges will last a week, with three activities to do at home followed by peer review (sharing online) and finally group evaluation. Sounds scary?! We promise it’s not and our team are always on hand to help. Science@Home will enable your young people to think creatively, design, build, test, ask questions, research and evaluate, just like STEM professionals do. And most importantly, we want you all to have fun together!

For our Minibeasts Curiosity Challenge, we are suggesting that children try out the following activities:

**1 MINIBEAST HUNT**

**ACTIVITY**

Children will be asked to:

- **observe** the minibeasts around them (outdoors, in books or on the internet)
- **identify** what kind of minibeasts they are
- **present** a drawing or video of their favourite minibeast

**EQUIPMENT IDEAS**

- science books
- internet
- paper
- pens, pencils, paint
- small bucket or pot to collect real life minibeasts
- art and craft supplies

**CURRICULUM LINKS**

- Thinking scientifically
- Animals including humans
## WHAT IS MIMICRY?

**ACTIVITY**
Children will be asked to:
- **research** what mimicry is
- **build** something they want to mimic
- **test** that their model works by seeing if friends and family can guess what they are mimicking

**EQUIPMENT IDEAS**
- pens, pencils
- paper
- silver foil
- blankets
- clothing
- items from the garden

**CURRICULUM LINKS**
- Working scientifically
- Discuss evolution and adaptation
- Use everyday materials

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## WHY DO MINIBEASTS LOVE FLOWERS?

**ACTIVITY**
Children will be asked to:
- **research** why insects visit flowers
- **design** the perfect flower for someone in their house
- **create** the perfect flower

**EQUIPMENT IDEAS**
- science books
- internet
- pens, pencils, paint
- paper/old cardboard
- backpack or bag

**CURRICULUM LINKS**
- Working scientifically
- Everyday materials
- Uses of everyday materials
- Earth and space
- Animals, including humans and their habitats
SHARE YOUR WORK!

ACTIVITY
After all this hard work, we really want to see what your young people have achieved. STEM is all about thinking outside the box and coming up with new ideas, so don’t be afraid to share their creations!

Consider displaying work or starting a scrapbook to encourage and reward hard work.

EQUIPMENT IDEAS
- scrapbook
- page fastening
- tape
- wall safe adhesive
- smart phones, laptops etc...

EVALUATION

ACTIVITY
Children will be asked to:
- **discuss** and **evaluate** their projects. What went well? How could I improve it? What did I enjoy the most?
- **Observe** and **discuss** other people’s projects
- **Design** a poster to explain their findings over the three days

EQUIPMENT IDEAS
- pens, pencils, paint
- scrap paper
- cardboard