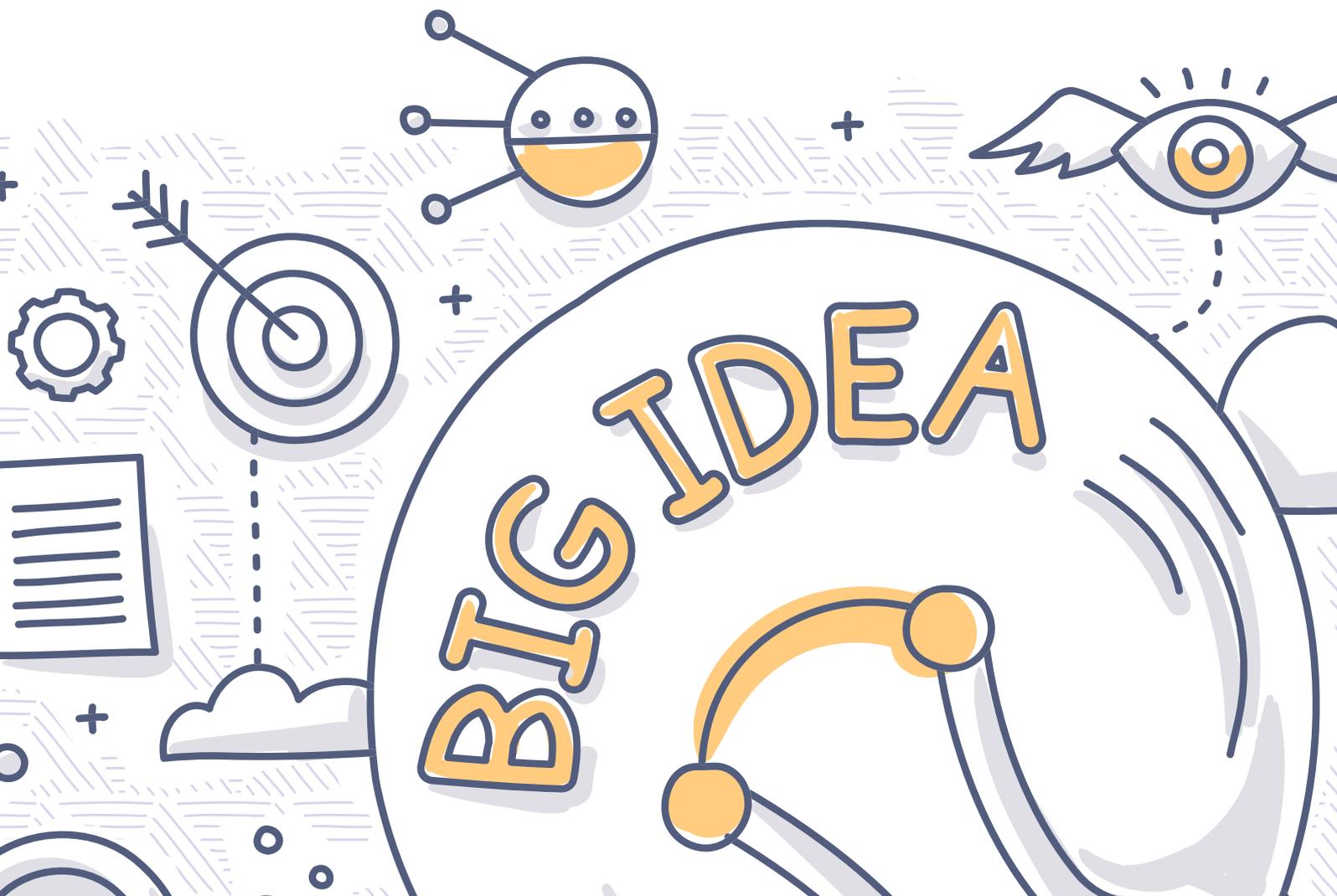




Star

STAR CHALLENGE

OPEN TO ALL STAR SECONDARY PUPILS



STAR CHALLENGE

CALLING ALL INVENTORS!

Create a model or toy to explain a scientific concept for your chance to win a prize.

CALLING ALL INVENTORS!

Create a model or toy to explain a scientific concept...using nothing but recycled materials!

All great inventions develop from an initial idea, oodles of trial and error and, eventually, a model to fully test the invention. It's often years after the initial big idea before the final invention is ready to be launched, usually after lots of time, effort and hard work. Sometimes new products can be invented by accident during the testing phase!



Your challenge is to create a scientific model or toy, which you could use to explain a scientific concept or idea. You could choose to make something that already exists or you might like to make something completely new that could be your own scientific breakthrough!

There are two rules to your creations

You are challenged to invent your own creation! Here are a few ideas to get you started...



Airborne (physics theme): Boomerangs, Hovercraft, gliders, balloon racers.

Nature (biology theme): Plant growth maze, bee house, bird feeder, mini-ecosystem in a box, interactive model of a human body.



Flashy science (chemistry theme): Lava lamps, sweet-powered rockets, recycled paper.

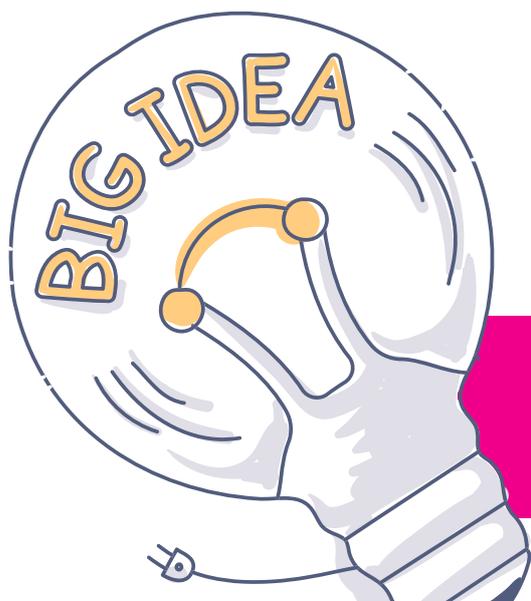
1. Your invention must be made from clean recycled rubbish (such as cardboard, paper, plastic pots or tins) and using only basic supplies in your home (such as scissors, sticky tape, glue, string or straws).

2. You must include an explanation of the science behind your creation: *What is it? What does it do? How does it work?*

You'll find lots of ideas online, so you may want to research your idea before you start.

(click on the links)

[How to create scientific toys](#)
[Great investigations to try at home](#)
[Projects and models to try at home](#)



Email a picture of your work and an explanation of the science behind your creation to your school by **Friday 19th June**. Your school will choose the two best pieces of work and will enter them into a Star Academies national competition. **Good luck inventors!**

1ST PRIZE
Microscope Kit

2ND PRIZE
Explosive Experiments Kit

3RD PRIZE
Science Brain Box