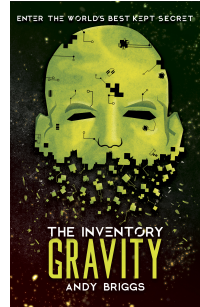


## THE INVENTORY – SUGGESTED LESSONS



The Inventory is full of the world's greatest invention that you are not allowed to have. Based on that premise here are some activities that can work around the books.

### MAKE YOUR OWN GADGET

Suggest that they think about problems in their everyday lives that could be solved with some kind of invention. Create a list of these problems – or more significant problems – either as a whole class or in small groups.

Pupils then choose a problem from this list and create an invention to solve it. Have them draw their invention and then write a brief paragraph, clearly describing the order of steps in either creating or using their invention.

Allow time for students to share their inventions. They might enjoy first sharing just the drawings to guess the purpose of one another's inventions.

An alternative to this to then have the teams present their inventions to a “Dragon’s Den” style panel comprising of other students.

### GUESS THE GADGET

There are a number of incredible, yet bizarre inventions that exist. Encouraging the pupils to think “outside the box” use a collection of these to inspire them, or make them guess at their use. Here are a few websites to get you started:

<http://luxemodo.com/inventions/>

<http://weburbanist.com/2013/07/08/bizarre-inventions-15-idiotic-ideas-from-the-past/>

<http://www.dailymail.co.uk/femail/article-3193941/The-weirdest-inventions-world-revealed-didn-t-off.html>

## SOLVE THE PROBLEM

Give the pupils either a single problem or allow them to select from the list below. They will have to create an invention that solves the problem, including a diagram on how it works. Here are a few suggestions:

PROBLEM	TASK	CURRENT SOLUTIONS
Overcrowded trains/buses	Invent an alternative transport system. It must be based on the ground – no flying!	<a href="http://www.vox.com/2016/8/5/12371012/transit-elevated-bus-china">http://www.vox.com/2016/8/5/12371012/transit-elevated-bus-china</a> <a href="https://hyperloop-one.com">https://hyperloop-one.com</a>
More police/fire fighters are needed	Create an alternative police officer or police force that will not frighten people	<a href="https://www.wired.com/2016/07/11-police-robots-patrolling-around-world/">https://www.wired.com/2016/07/11-police-robots-patrolling-around-world/</a>
Space Travel	Rockets are an expensive way to get into space. Is there an alternative?	<a href="https://en.wikipedia.org/wiki/Space_elevator">https://en.wikipedia.org/wiki/Space_elevator</a>