

WORKSHEET BUNDLES "Outside the Box"

'Outside the Box' worksheet titles are: -

- 1 Hunt for It
- 2 Virtual Reality
- 3 Design & Model It
- 4 Experiment It
- 5 101 ways with ...

This bundle includes 5x one-hour worksheets and is all about encouraging students to think, move and be creative. They may need some help with writing or technology, but they are thinking "outside the box".

HUNT FOR IT

Task 1: Search for the following colours and write what the object is.

Look

Colour	Object	Colour	Object
Red		Yellow	
Blue		Grey	
Orange		Green	
Purple		White	
Black		Beige	
Gold		Brown	

Task 2: Do Task 1 again in a different location and time how long it takes you to find all colours.

Task 3: Search for the following shape or angle and write where you found them.

Search

Shape/angle	Object	Shape/angle	Object
Circle		Oval	
Square		Box	
Rectangle		Cylinder	
180 degree		Triangle	
Right angle		Hexagon	

Task 4: Observe people doing the following actions.

Observe

Action	Who was it?	Why were they doing it?
Waving		
Folding their arms		
Walking		
Using hand gestures		
Yawning		

Task 5: Find an object that fits the following description.



Look for ...	Object
Something on the ceiling	
Something higher than your height	
Something on the ground within 2m of you	
Something that can stand upright	
Something on a wall	
Something with three colours	
Something you can see outside	
Nearest person taller than you	
Nearest person shorter than you	

Task 6: Now create your own search around either the room you are in or nearby and write clues below for someone else to find.



Clue	Object
1	
2	
3	
4	
5	

VIRTUAL REALITY

Task 1: Imagine you can live anywhere you want to. Tick what you would like below and add three.



<input type="checkbox"/> sunny	<input type="checkbox"/> cold	<input type="checkbox"/> snow	<input type="checkbox"/> lake
<input type="checkbox"/> river	<input type="checkbox"/> mountains	<input type="checkbox"/> city	<input type="checkbox"/> town
<input type="checkbox"/> country	<input type="checkbox"/> farm	<input type="checkbox"/> pets	<input type="checkbox"/> animals
<input type="checkbox"/> house	<input type="checkbox"/> flat	<input type="checkbox"/> trees	<input type="checkbox"/> grass
<input type="checkbox"/> family	<input type="checkbox"/> alone	<input type="checkbox"/> friends	<input type="checkbox"/> quiet
<input type="checkbox"/> busy	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Task 2: Look at the picture below and discuss any parts that you like or dislike and why?



Task 3: Think about and discuss a movie or game that is set in a different world to what we know. Write down some things that are different. You may be able to watch or play a small clip.



The game/movie is ...

Task 4: You have been asked to create a new game or an idea for a movie. The idea is that it will be the opposite of what your life is like now. Think of FIVE things about your life, and then FIVE ways your game or movie would be the opposite.



	My life now ...	The opposite would be ...
1		
2		
3		
4		
5		

Task 5: Find or create some ideas for characters, settings or special effects. You could do this by yourself or in pairs and attach any drawings or pictures to this worksheet.



Task 6: Finally, think of TWO positives and negatives of living in a different reality to what you live.



	Positives	Negatives
1		1
2		2

DESIGN & MODEL IT

Task 1: Think about and discuss what we make models of and build. Put your ideas below.



Task 2: Look around you and write down SIX things that have been designed and built.



1	2	3
4	5	6

Task 3: Look at the design of a table or chair near you. Discuss it and how it could be improved.

Task 4: Draw the table or chair below with your improvements thinking about scale, angles and different measurements. You can either sketch it or draw it in detail or on another page.



Task 5: Look carefully at the pictures below and discuss what has been designed in each one.

talk about it



Task 6: Think about making a model using only objects around you. Look around and decide what the purpose of the model will be. Your teacher will set you a time limit.

Task 7: Think about and discuss a problem that needs solving either at your school/organisation, in your local community or nationally. The idea/problem could be small or big. Answer these questions first and then attach a drawing or create a model of your idea to solve the problem.

pull ideas together

What needs to be solved?	
What could you create?	
Who would it help?	
What materials would you use?	
Who could help you?	

EXPERIMENT IT

Think about how we can test different theories to figure out how something works.

Task 1: Do each of the following and then discuss what is happening and why you think it is.



	What happens?	How is this able to happen?
Roll a ball		
Bounce a ball		
Jump as high as you can		
Stack up ten books high		
Hear a noise outside		
Turn on the lights		
Pour water in a glass		

Task 2: Think about how you can create an experiment to show each of the following. You can use anything around you, or if you need special equipment, note it down.



Showing how and why something can melt	
Showing how our body moves when we run	
Showing how noise can travel	
Showing the strength of wood or metal	
Showing how weather can affect us	
Showing how technology has helped us	

Task 3: Highlight the one above (or have your teacher approve another idea) that you will create an experiment with. **Discuss any safety requirements for your experiment.**



1. Create a quick plan of how you will do your experiment.
2. Collect the equipment you might need and decide how long the experiment is.
3. Set up your experiment and practice it to see if it works.
4. Discuss what may need to be improved or changed.

Task 4: Set up experiment stations so you can show others what you are testing and how. Try to find a way to have them involved and asking questions.

Task 5: Draw a sketch of your experiment below or attach a photo.



Task 6: Think about and discuss different ways we experiment in our everyday lives.



	Different ways we experiment
With food or cooking	
Travelling to different places	
With friends or family	
With our clothes	

101 WAYS WITH ...

Task 1: Discuss all the things you can do with the following and write down at least FIVE for each.



	What we could do with ...
Money	
Water	
Soil	
Shoes	
Fruit	
Air	

Task 2: Think about these simple objects. Write down THREE creative things you could do with each of the objects.



	Creative uses of ...
A shoelace	
Five paperclips	
A plastic water bottle	
A ruler	
Blue tack	
Coat hanger	
Computer cord	

Task 3: Select one of the objects from Task 2 and see how many things you can make with it in a set time limit.

PRACTICE
THIS

What worked well ...	What didn't work well ...

Task 4: Survey THREE different people and ask them what they have done using the following:

tell us about it ..

	Super glue	Plastic or wire ties
Person 1		
Person 2		
Person 3		

Task 5: Research or find THREE different recipes using the following:

FIND
OUT

oranges	eggs	bread
coffee	tomatoes	milk