	5: Physical World					
			Flow	wing	electr	icity
Approach: S	Station Level: Year 8 & year 4					
	Battery and bulb board each of aluminium, b	(continuity tester); rass, plastic, wood, cardb	oard squares.			
Questions/instructions			% responses			
					year 8	year 4
In this activ	ity you will be finding	out some of the things	electricity can travel thro	ugh.		
1. Check that everything on the board is working by touching the 2 loose alligator clips together.						
	will go if everything is alb does not go tell the					
	t — but do not try it yet.					
		ome things, but it can't tr s do you think electricit	avel through everything. y can travel through?			
Write dow	wn what you think in	the table.	Number of correct pred	ictions:		
	electricity can travel	I think electricity can't trave	wel	5	61	35
through	h these objects	through these objects		4	21	19
				3	5	10
				2	4	12
				1	3	10
2. Nome Arres 14						
Put each		nd join an alligator clip to you have tested each ob	ject. Number of correct	results 5	98	91
Put each	object on the board an y <b>es</b> or the <b>no</b> box after	you have tested each ob	ject. Number of correct ty travel through?		98	91
Put each	object on the board an yes or the <b>no</b> box after <b>Object</b>	you have tested each ob Lets electrici	ject. Number of correct		98	91
Put each	object on the board an yes or the <b>no</b> box after <b>Object</b> plastic	you have tested each ob Lets electrici	ject. Number of correct ty travel through?		98	91
Put each	object on the board an yes or the no box after Object plastic wood	you have tested each ob Lets electrici	ject. Number of correct ty travel through?		98	91
Put each	object on the board an es or the no box after Dbject plastic wood grey metal	you have tested each ob Lets electrici	ject. Number of correct ty travel through?		98	91
Put each	object on the board an yes or the no box after Object plastic wood	you have tested each ob Lets electrici	ject. Number of correct ty travel through?		98	91
Put each of Tick the y When toast It is not a g	object on the board ar object no box after object plastic wood grey metal cardboard yellow metal t gets stuck in the toas ood idea to poke arou	you have tested each ob Lets electrici Yes ter some people try to g nd in toasters with anyth	ject. Number of correct ty travel through? No		98	91
Put each Tick the y When toast It is not a g 4. What mig	object on the board and object no box after object plastic wood grey metal cardboard yellow metal t gets stuck in the toas	you have tested each ob Lets electrici Yes ter some people try to g nd in toasters with anyth e poked something	ject. Number of correct ty travel through? No		98	91
Put each Tick the y When toast It is not a g 4. What mig	object on the board ar object on box after object plastic wood grey metal cardboard yellow metal t gets stuck in the toas pood idea to poke arought happen if someone	you have tested each ob Lets electrici Yes ter some people try to g nd in toasters with anyth poked something e toaster?	ject. Number of correct ty travel through? No et it out with a knife. hing.	5	98 87 8	91 42 33
Put each of Tick the y When toast It is not a g 4. What mig made of t 5. What mig	object on the board ar object no box after object plastic wood grey metal cardboard yellow metal t gets stuck in the toas pood idea to poke arought happen if someone	you have tested each ob Lets electrici Yes ter some people try to g nd in toasters with anyth poked something toaster? get e	ject. Number of correct ty travel through? No et it out with a knife. hing.	ctricity	87	42
Put each of Tick the y When toast It is not a g 4. What mig made of t 5. What mig	object on the board ar object no box after object plastic wood grey metal cardboard yellow metal t gets stuck in the toas good idea to poke arought happen if someone the yellow metal in the	you have tested each ob Lets electrici Yes ter some people try to g nd in toasters with anyth poked something toaster? get e	ject. Number of correct ty travel through? No et it out with a knife. hing.	5 ctricity er valid	87	42