

PITCH PERFECT

Challenge 1

Which 'soil' will create the best growing conditions?

You will need

1 seed tray	2 different bags of
2 plant pots	compost and sand
2 seed packets	

Challenge 2

Which seed will create the best pitch?

You will need

1 seed tray	2 different seed packets
2 plant pots	2 bags of compost

Challenge 3

Will red light affect the growth of the grass?

You will need

1 seed tray	2 bags of compost
2 plant pots	1 piece of red
2 seed packets	cellophane

Challenge 4

Will blue light affect the growth of the grass?

You will need

1 seed tray	2 bags of compost
2 plant pots	1 piece of blue
2 seed packets	cellophane

Challenge 5

Will the cold Martian nights affect the growth of the pitch?

You will need

1 seed tray	2 seed packets
2 plant pots	2 bags of compost

Challenge 6

Will a carbon dioxide rich atmosphere affect the growth of the pitch?

You will need

1 seed tray	2 bags of compost
2 plant pots	2 plastic bottles
2 seed packets	Vinegar, bicarbonate
	of soda, yoghurt pot

Challenge 7

Will the acidic fog on Mars affect the growth of the pitch?

You will need

1 seed tray	2 bags of compost
2 plant pots	2 different sprays
2 seed packets	of solution

Total for class

7 seed trays	2 spray bottles: 1 water,
14 plant pots	1 vinegar
15 seed packets + 2	Bottle of vinegar
different types of seed	Tub of bicarbonate
15 bags of compost + 1	of soda
half sand + 1 sand	Small yoghurt pot or
2 plastic bottles	similar (for CO ₂ reaction)