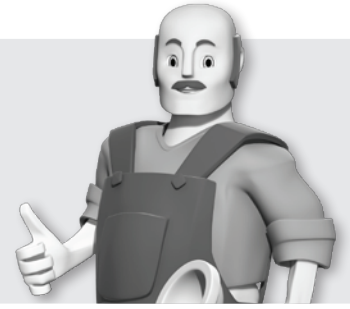


Carbon Tradies: Worksheet 2 – Pete the Plumber

Go to www.missionco2.com, click on Play and watch the introduction to meet the Carbon Tradies. Enter your name to begin.

Select Pete the Plumber and watch his introduction for information that will help you with the following questions and activities.



1. What type of hot water system do you have at home and which form of energy does it use?

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2. What other types of hot water systems are there and which type of hot water system can save both energy and money?

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3. What are commonly the main uses of the water collected in a rainwater tank?

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4. All hot water pipes should be insulated. Why is this important?

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5. As a class activity each student is to be the first person in their house to run the shower one morning and on that morning you are to turn on the hot tap and to time how long it takes the water to become warm enough for you to start your shower. Calculate the average time for the class. Was your time below or higher than the class average? What does this tell you about how well your hot water pipes are insulated?

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6. Some taps, showerheads, toilets, dishwashers and washing machines are more water efficient than others. What does this mean? How can you check the water rating of these products?

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Carbon Tradies: Worksheet 2 – Pete the Plumber

7. Choose one of the products mentioned in question 6 and let's say you need to buy a new one. Find out the water rating for different brands and describe the one you would buy explaining its water efficiency.

One source of information on this is the website: www.savewater.com.au/products

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8. For one week you and everyone in your family is to measure as best you can how much water you could reuse on the garden by using a bucket to collect the water in the shower while waiting for the warm water to arrive and another bucket in the kitchen collecting water when rinsing dishes, washing vegetables, etc. Calculate the class average.

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9. Find out the cost of water provided to your house. Calculate how much you could save if the water reused on the garden from the shower and kitchen was fully saved by not turning on the garden tap.

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10. Go to the Mission CO2 Home page, click on Fun Stuff and Meet the 'Carbon Tradies' and select Pete. What suggestion has he that will help you save water and hence money?

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11. What type of heating do you have at home and which form of energy does it use? What other forms of energy can be used for heating?

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12. What is the advantage of a zoned heating system as explained by Pete? Can you "zone" the heating in your house?

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Further information

For more information on how you can save water at home, work or school visit www.savewater.com.au or contact your local water provider.

