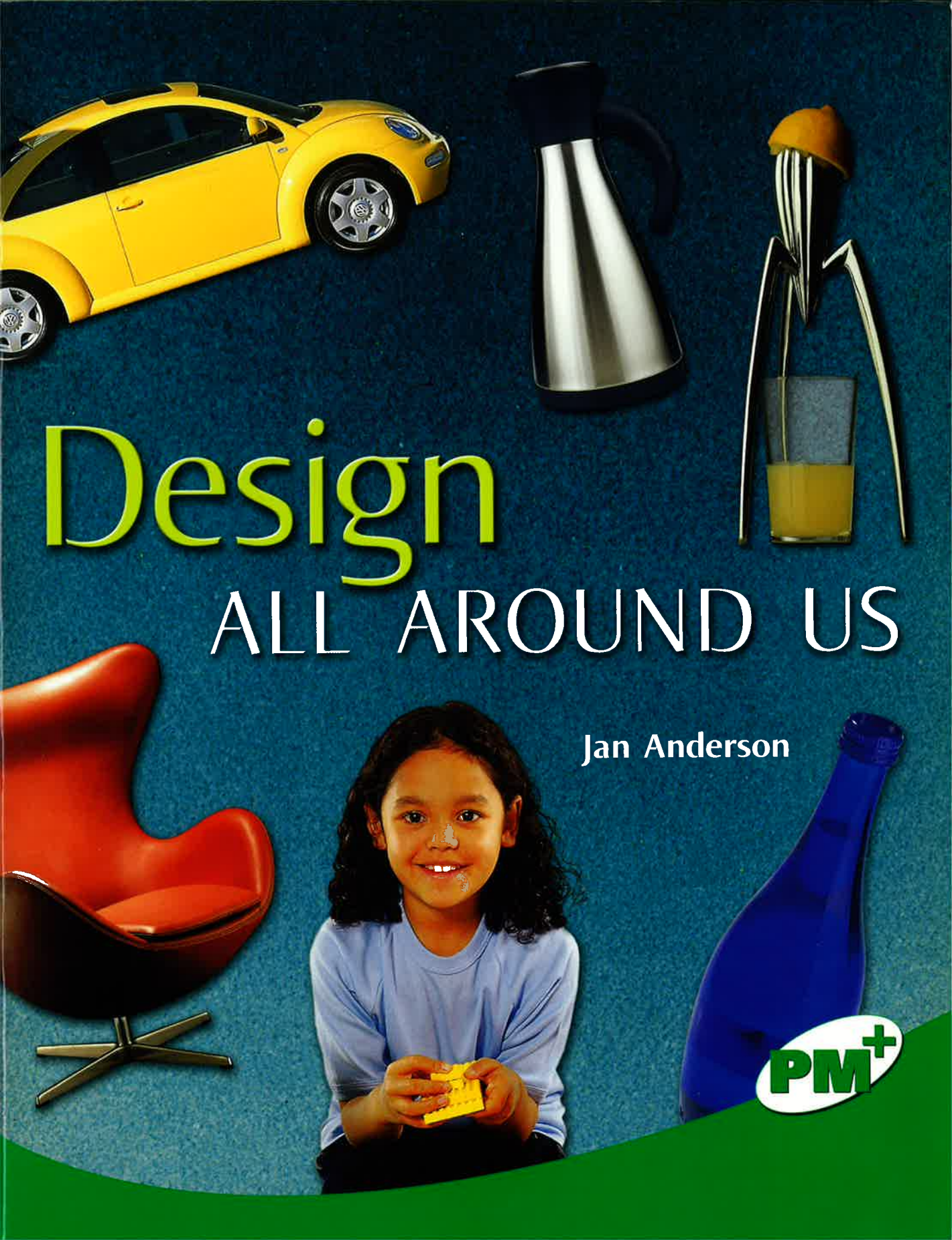

Design
ALL AROUND US
Jan Anderson
PM+

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CHAPTER 1

What Is Design?

Although you might not stop to think about it, design affects you almost every minute of the day.

Design is how things are made or put together, how they look, how they work and what they do. Almost everything you use has been designed before it was made — from the lids on bottles to the chairs we sit on.



If something is badly designed, it does not work well or may not last for a long time.



This jug keeps liquids hot or cold. It is attractive to look at, strong, and works well, too, because it is designed not to drip.

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Technology plays a big part in design. Computers are used to help design new products.

Technology can also help us make new materials that are friendly to the environment; for example, special **plastics** that can be recycled. Designers can create many new things with these materials.

A well-designed object can be very beautiful. It will also be safe and easy to use. Good design makes our everyday lives easier and more enjoyable.



Recycled plastic products

DID YOU KNOW?

In many countries, awards are given each year for well-designed products.



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CHAPTER 2

Technology and Design



During the last century, designers have been able to create many new products. Often this has been because of new technology.

New materials

Plastic is a material made possible by technology.

Designers like using plastics because they are strong and can be made in bright colours.

Plastics can also be **moulded** into many shapes. We can make spoons, chairs, or just about anything from plastics.



Granules of plastic are poured into moulds and melted to make a range of objects. The melted plastic becomes a solid shape when it cools.

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Silicon is an important new material. It is used to make **silicon chips**. Before the silicon chip was invented, small radios and computers could not have been designed. The parts were too big!





New processes

Technology has produced many new **processes**, like chrome-plating. Chrome-plating is a process in which a coating of chrome (a kind of metal) is put on another metal — usually steel. The chrome protects the steel from rusting. Chrome is also very shiny, which makes it a beautiful material to use.



This kitchen tap has been chrome-plated.

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CHAPTER 3

Design in the Home

Look around your home: a lot of thought has gone into designing things to make them look good and work well.

The food processors, computers, tables and chairs that your family uses were probably all made in a factory. But they all had to be designed first.

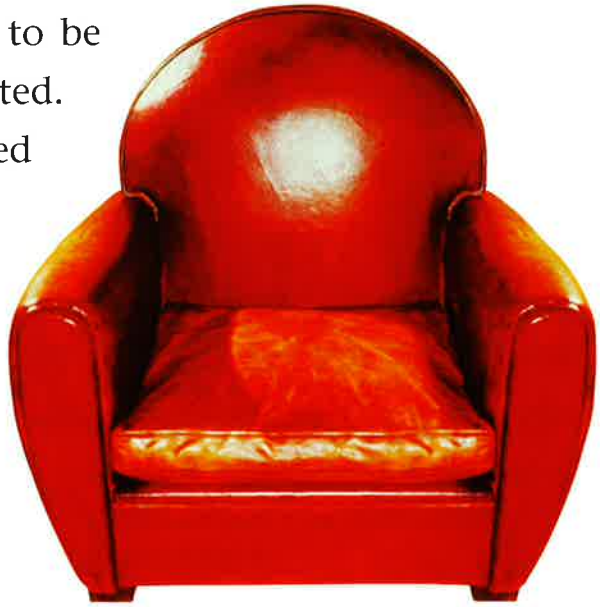


'Classic' designs, such as this alarm clock, are always popular because they look good and work well.

Chairs

Chairs are designed for people to be comfortable when they are seated. Probably more people have tried to design a chair than any other piece of furniture!

Some chairs are for relaxing in.



A comfortable chair