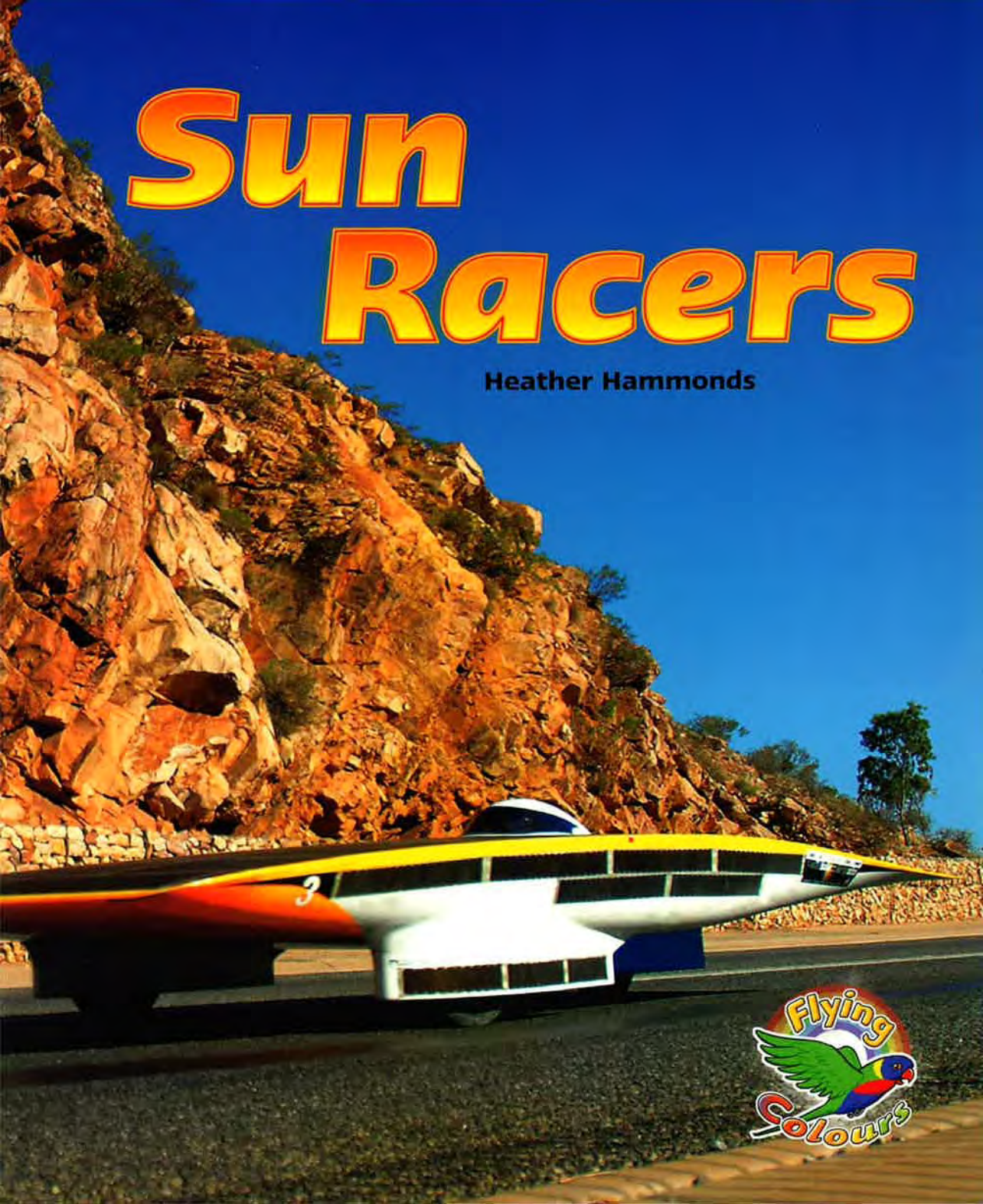
Sun Racers

Heather Hammonds



Flying Colours

Sun Racers

Heather Hammonds



For Review Only

Chapter 1	Solar Cars	2
Chapter 2	How Solar Cars Work	4
Chapter 3	Solar Car Races	6
Chapter 4	Solar Car Teams	8
Chapter 5	Before the Race	12
Chapter 6	The Race Begins	14
Chapter 7	Solar Bicycles	18
Chapter 8	What Is Learned	20
Chapter 9	Future Cars	22
Glossary and Index		24

Chapter 1

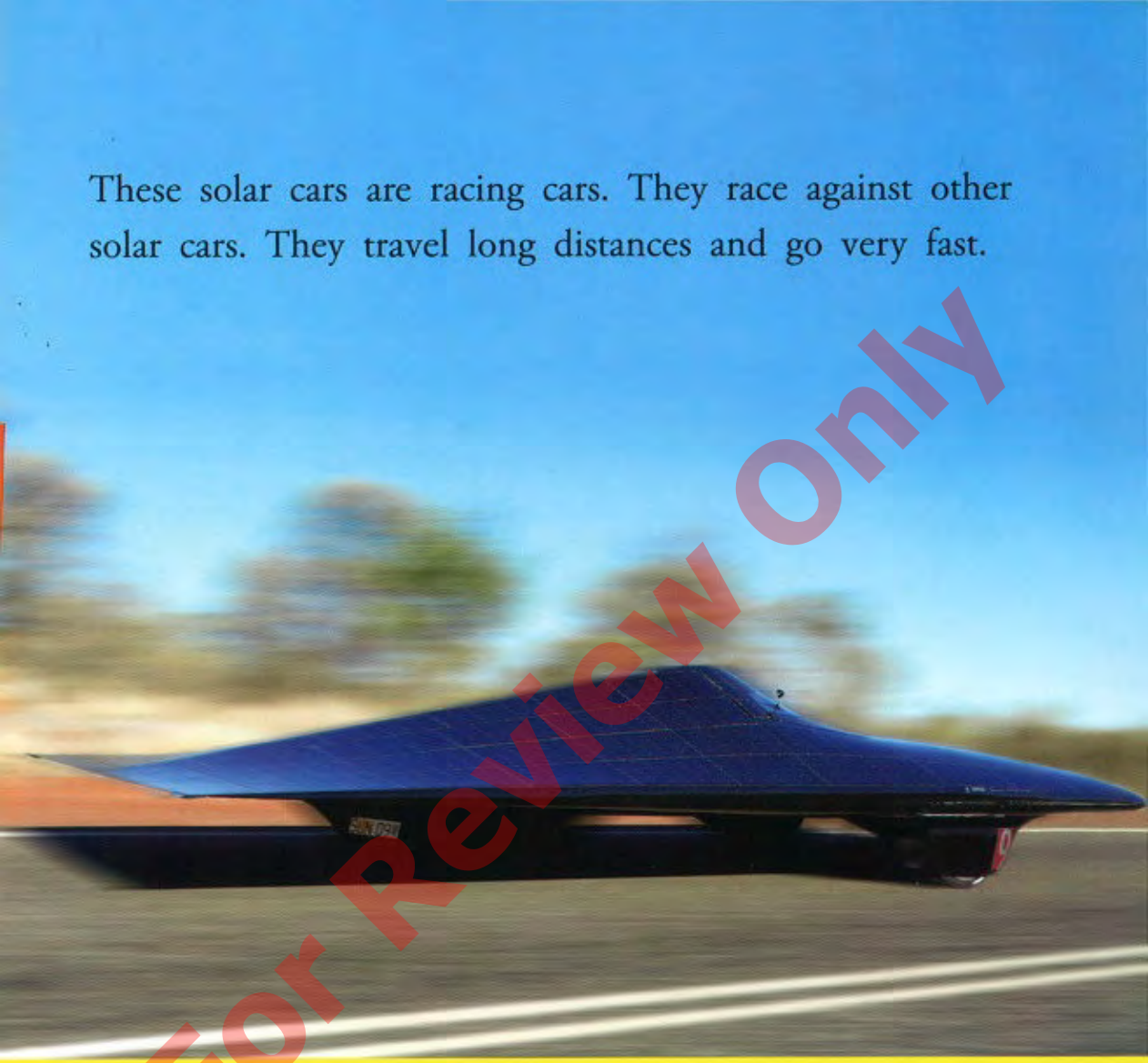
Solar Cars

These cars look very different to most cars. They are called solar cars. Solar cars do not use **petrol** as **fuel**. They use energy from the sun to make them work.



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These solar cars are racing cars. They race against other solar cars. They travel long distances and go very fast.



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'Solar' means of or to do with the sun.

Chapter 2

How Solar Cars Work

Solar cars have lots of small **solar cells** on them. These solar cells turn sunlight into electricity. The electricity is used to make the solar cars work.



Most solar cars need more than 1000 solar cells to make them go fast.

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Solar cars have special shapes. This helps their solar cells get lots of sunlight. The special shapes also help solar cars go faster and use less electricity.



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Some solar cars have three wheels.
Other solar cars have four wheels.

Chapter 3

Solar Car Races

Solar car races are held in different countries around the world. Race teams bring their solar cars to these races.

Some solar car races are called 'challenges'. They are very hard to win.



solar cars at the American Solar Challenge race

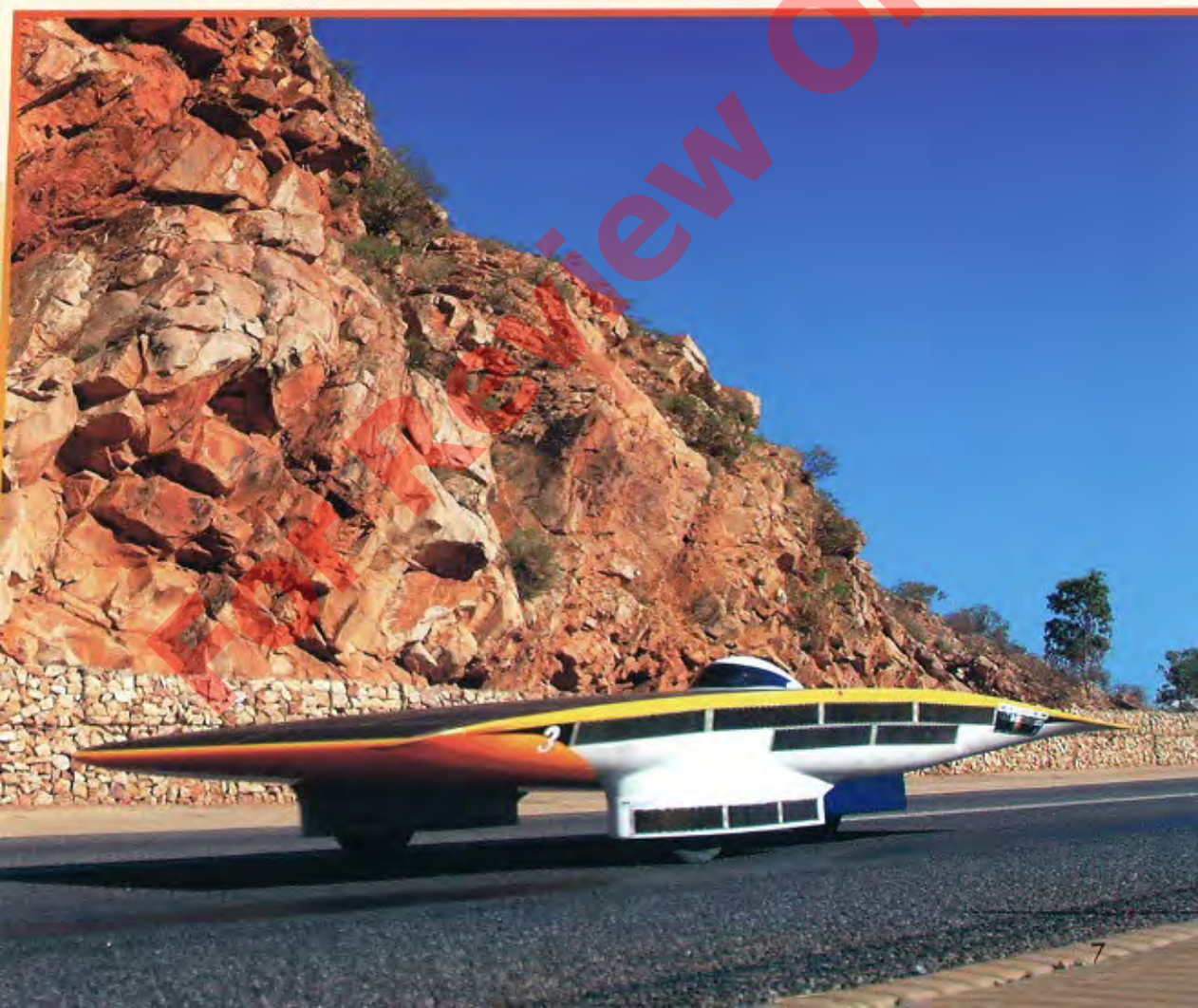
The first solar car races were held in the 1980s.

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Most solar car races are held over several days.

Solar cars travel through deserts, over mountains and through towns.

They go on the same roads as other cars and trucks. They travel for thousands of kilometres.



Preview Only