

CONTENTS

| | |
|--------------|---|
| Introduction | 1 |
|--------------|---|

PART I

What Plants Are and What They Can Do

| | |
|--|----|
| 1. Names | 13 |
| 2. Plants are Like Animals, Only Different | 21 |
| 3. Sensing the Environment | 27 |

PART II

How Genes Work

| | |
|-------------------------------|----|
| 4. How Genes Work | 41 |
| 5. Switching Genes On and Off | 53 |

PART III

Time to Flower

| | |
|---------------------|----|
| 6. Growing Up Green | 67 |
| 7. Warm and Cold | 73 |
| 8. Light and Dark | 83 |

CONTENTS

PART IV

Shaping a Flower

- | | |
|--------------------------|-----|
| 9. The Construction Site | 93 |
| 10. Special Shapes | 103 |

PART V

Decorating a Flower

- | | |
|----------------------------|-----|
| 11. Painting the Petals | 117 |
| 12. The Perfume Factory | 131 |
| A Final Word | 147 |
| Glossary | 149 |
| Further Reading | 153 |
| Publisher Acknowledgements | 155 |
| Picture Credits | 157 |
| Index | 159 |