

# Area of Experience: Science

## Science

At Junior Certificate level the student can:

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|---|-------|
| <b>1 The Non-Living Environment</b>   | ○ ○ ○ |
| Describe the characteristics and structures of different materials and explain how they change under different conditions |       |
| <b>2 The Living Environment</b>   | ○ ○ ○ |
| Describe a range of plant and animal life and explain their connection with the wider environment                         |       |
| <b>3 The Human Body</b>   | ○ ○ ○ |
| Describe some of the major systems of the human body and explain their links with health                                  |       |
| <b>4 Energy and Control</b>   | ○ ○ ○ |
| Name sources of energy and describe ways in which energy can be transferred and used                                      |       |
| <b>5 Human Biology</b>  | ○ ○ ○ |
| Describe some of the major systems of the human body and have an understanding of food and health                         |       |
| <b>6 Physics 1</b>  | ○ ○ ○ |
| Understand the concept of measurement of Force, Energy and Heat   |       |
| <b>7 Chemistry 1</b>  | ○ ○ ○ |
| Recognise different substances and carry out separation techniques  |       |
| <b>8 Chemistry 2</b>  | ○ ○ ○ |
| Understand some of the key principles of the chemistry of air and water   |       |
| <b>9 Plant Biology</b>  | ○ ○ ○ |
| Understand and identify the structure, functions and processes of a typical flowering plant                               |       |
| <b>10 Physics 2</b>   | ○ ○ ○ |
| Understand the concepts of magnetism, electrical conduction and the main properties of light                              |       |