

## Science 3, 3<sup>rd</sup> ed. Lesson Plan Overview

|  | <b>Lesson</b> | <b>ST Pages</b> | <b>AM Pages</b> | <b>Assessment</b> | <b>Content</b>                        | <b>Bible Integration</b>  |
|--|---------------|-----------------|-----------------|-------------------|---------------------------------------|---|
| <b>Chapter 1: Cold-Blooded Animals</b> | 1             | 1–3             | 1               |                   | <b>Unit and Chapter Opener</b>        | God's use of creation for His glory   |
|  | 2             | 4–7             | 2               |                   | <b>Vertebrates and Invertebrates</b>  | God's variety in creation   |
|  | 3             | 8–11            | 3, 5, 7–8       |                   | <b>Fish</b>                           | God's variety in creation<br>God's use of creation for His purposes<br>God's power over creation<br>God's perfect design<br>God's provision for His creation<br>God's provision for man |
|  | 4             | 12–13           | 9–11, 13        |                   | <b>Amphibians</b>                     | God's orderly design  |
|  | 5             | 14–17           | 15,<br>17–19    |                   | <b>Reptiles</b>                       | God's omnipotence<br>God's variety in creation<br>God's provision for His creation<br>God's loving care   |
|  | 6             | 18–19           | 21              |                   | <b>Measure Up: Temperature</b>        |   |
|  | 7             |                 | 23–24           |                   | <b>Activity: A Science Experiment</b> |   |
|  | 8             | 20–21           | 25–26           | Rubric            | <b>Activity: Leaping Lizards</b>      |   |
|  | 9             | 22              | 27–28           |                   | <b>Chapter Review</b>                 |   |

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|--|---------------|-----------------|-----------------|-----------------------|-----------------------------------|--|
| <b>Chapter 2: Warm-Blooded Animals</b> | 10            |                 |                 | Chapter 1 Test        |                                   |  |
|  |               | 23              | 29              |                       | <b>Chapter Opener</b>             | God's loving care  |
|  | 11            | 24–26           | 30              |                       | <b>Birds</b>                      | God's perfect design<br>God's variety in creation<br>God as source of strength   |
|  | 12            | 27              |                 | Rubric                | <b>Exploration: Bird Watching</b> |  |
|  | 13            | 28–29           | 31–32           |                       | <b>Characteristics of Birds</b>   | God's perfect design<br>God's provision for His creation   |
|  | 14            | 30–35           | 33–38           |                       | <b>Mammals</b>                    | God's variety in creation<br>God's perfect design<br>Man as God's special creation<br>Man created in God's image<br>God's plan for salvation<br>Faith in the Word of God |
|  | 15            |                 |                 |                       |                                   | God's provision for His creation<br>God as Master of creation  |
|  | 16            | 36–37           | 39              |                       | <b>Behaviors</b>                  |  |
|  | 17            | 38–39           |                 | Rubric                | <b>Activity: Animal Books</b>     |  |
| 18                                     | 40            | 41–42           |                 | <b>Chapter Review</b> |                                   |  |

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|--------------------------|---------------|-----------------|-----------------|-----------------------|---------------------------------|---|
| <b>Chapter 3: Plants</b> | 19            |                 |                 | Chapter 2 Test        |                                 |   |
|                          |               | 41–43           | 43              |                       | <b>Unit and Chapter Opener</b>  | God's use of creation for His purposes<br>God's use of creation for His glory   |
|                          | 20            | 44–45           | 44              |                       | <b>Parts of a Plant</b>         |   |
|                          | 21            | 46–49           | 45–48           |                       | <b>Photosynthesis</b>           | God's provision for His creation<br>God's perfect design<br>Christians rooted and grounded in Christ  |
|                          | 22            | 50–51           | 49–50           |                       | <b>Measure Up: Length</b>       | God's knowledge of each individual<br>God's provision for man   |
|                          | 23            | 52–53           | 51–52           | Rubric                | <b>Activity: A Time to Grow</b> |   |
|                          | 24            | 54–57           | 53–54           |                       | <b>Uses of Plants</b>           | God's provision for man<br>God's creation for man's enjoyment<br>God's perfect design<br>Man's God-given curiosity<br>Man's responsibility to glorify God |
| 25                       | 58            | 55–56           |                 | <b>Chapter Review</b> |                                 |   |

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|------------------------------|---------------|-----------------|-----------------|-------------------|--|--|
| <b>Chapter 4: Ecosystems</b> | 26            |                 |                 | Chapter 3 Test    |  |  |
|                              |               | 59              | 57              |                   | <b>Chapter Opener</b>                        | God as Master of creation<br>God's use of creation for His glory   |
|                              | 27            | 60–63           | 58–59           |                   | <b>Ecosystems</b>                            | God's use of creation for His purposes<br>God's variety in creation<br>God's perfect design<br>God's omniscience   |
|                              | 28            | 64–67           | 61,<br>63–64    |                   | <b>Producers, Consumers, and Decomposers</b> |  |
|                              | 29            | 68–71           | 65–66           |                   | <b>Food Chains and Food Webs</b>             |  |
|                              | 30            | 72–75           | 67–68           |                   | <b>Changes in an Ecosystem</b>               | God's provision for His creation<br>God's perfect design<br>God's use of creation for His purposes<br>Consequences of sin<br>God's plan of redemption<br>God's perfect Creation<br>God as Master of creation |
|                              | 31            | 76–77           |                 | Rubric            | <b>Activity: Ecosystem Tag</b>               |  |
|                              | 32            | 78              | 69–70           |                   | <b>Chapter Review</b>                        |  |

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|--------------------------|---------------|-----------------|-----------------|-----------------------|------------------------------------|---|
| <b>Chapter 5: Matter</b> | 33            |                 |                 | Chapter 4 Test        |                                    |   |
|                          |               | 79–81           | 71              |                       | <b>Unit and Chapter Opener</b>     | Man's use of God's resources<br>Giving God the best |
|                          | 34            | 82–83           | 72              |                       | <b>Properties of Matter</b>        | God's immutability                                  |
|                          | 35            | 84–87           | 73–74           |                       | <b>Measure Up: Mass and Volume</b> | Christians as faithful workers                      |
|                          | 36            | 88–91           | 75,<br>77–78    |                       | <b>States of Matter</b>            |   |
|                          | 37            | 92–93           |                 | Rubric                | <b>Activity: Frozen Treats</b>     |   |
|                          | 38            | 94–99           | 79              |                       | <b>Changes in States</b>           | God's perfect design                                |
|                          | 39            |                 |                 |                       |                                    | God's provision for man<br>God's immutability       |
|                          | 40            | 100–103         | 81–82           |                       | <b>Changes in Matter</b>           |   |
| 41                       | 104           | 83–84           |                 | <b>Chapter Review</b> |                                    |   |

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|-------------------------|---------------|-----------------|-----------------|-----------------------|----------------------------------|---|
| <b>Chapter 6: Sound</b> | 42            |                 |                 | Chapter 5 Test        |                                  |   |
|                         |               | 105             | 85              |                       | <b>Chapter Opener</b>            | Man's responsibility to glorify God<br>Christians as faithful witnesses                                       |
|                         | 43            | 106–9           | 86–87           |                       | <b>Sound</b>                     | God's creation for man's enjoyment<br>Man's responsibility to glorify God<br>Man's responsibility to obey God |
|                         | 44            | 110–13          | 89,<br>91–92    |                       | <b>Sound Waves</b>               |   |
|                         | 45            | 114–16          | 93–94           |                       | <b>The Ear and Hearing</b>       | God's perfect design  |
|                         | 46            | 117             |                 | Rubric                | <b>Exploration: All Ears</b>     |   |
|                         | 47            | 118–21          | 95–96           |                       | <b>Characteristics of Sound</b>  | Man's responsibility to please God<br>Man's responsibility to honor God                                       |
|                         | 48            | 122–23          | 97–98           | Rubric                | <b>Activity: Musical Bottles</b> |   |
| 49                      | 124           | 99–100          |                 | <b>Chapter Review</b> |                                  |   |

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|------------------------------------|---------------|-----------------|-----------------|-----------------------|-------------------------------|---|
| <b>Chapter 7: Energy in Motion</b> | 50            |                 |                 | Chapter 6 Test        |                               |   |
|                                    |               | 125             | 101             |                       | <b>Chapter Opener</b>         | Man's responsibility for his actions<br>God's omnipotence   |
|                                    | 51            | 126–29          | 102             |                       | <b>Force</b>                  |   |
|                                    | 52            | 130–31          | 103–4           | Rubric                | <b>Activity: Friction Fun</b> |   |
|                                    | 53            | 132–33          | 105–6           |                       | <b>Motion</b>                 | Faith in the Word of God<br>Bible as final authority<br>Christ as reference point   |
|                                    | 54            | 134–37          | 107–10          |                       | <b>Work</b>                   | Christians as dependable workers<br>Man as steward of God's creation<br>Christians as faithful workers                                      |
|                                    | 55            | 138–41          | 111,<br>113–14  |                       | <b>Energy</b>                 | Faith in the Word of God for guidance<br>Interrelationship of the parts of creation<br>God as Master of creation<br>God's provision for man |
| 56                                 | 142           | 115–16          |                 | <b>Chapter Review</b> |                               |   |

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|---|---------------|-----------------|-----------------|-----------------------|--------------------------------|---|
| <b>Chapter 8: Soil, Rocks, and Minerals</b> | 57            |                 |                 | Chapter 7 Test        |                                |   |
|   |               | 143–45          | 117             |                       | <b>Unit and Chapter Opener</b> | God's plan for worship  |
|   | 58            | 146–48          |                 |                       | <b>Soil</b>                    | God's provision for man<br>God's perfect design<br>Faith in the Word of God   |
|   | 59            | 149             | 118             | Rubric                | <b>Activity: Dirt Cup</b>      |   |
|   | 60            | 150–51          | 119–20          |                       | <b>Weathering</b>              | God's orderly design  |
|   | 61            | 152–55          | 121–22          |                       | <b>Rocks</b>                   | The Flood's effect on the earth   |
|   | 62            | 156–59          | 123–26          |                       | <b>Minerals</b>                | Christians as faithful workers<br>Christian behavior as showing God's love to others<br>Man's responsibility to honor God |
|   | 63            | 160–61          | 127–28          | Rubric                | <b>Activity: Hard or Soft</b>  |   |
| 64  | 162           | 129–30          |                 | <b>Chapter Review</b> |                                |   |

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|---------------------------|---------------|-----------------|-----------------|-------------------|-----------------------------------|---|
| <b>Chapter 9: Weather</b> | 65            |                 |                 | Chapter 8 Test    |                                   |   |
|                           |               | 163             | 131             |                   | <b>Chapter Opener</b>             | God as Master of creation   |
|                           | 66            | 164–67          | 132             |                   | <b>Measuring the Weather</b>      | God's perfect design<br>God's provision for His creation          |
|                           | 67            | 168–71          | 133–36          |                   | <b>The Water Cycle and Clouds</b> | God's orderly design<br>God as Master of creation                 |
|                           | 68            | 172–75          | 137–38          |                   | <b>Wind and Weather Forecasts</b> | Man's responsibility for his actions<br>God as Master of creation |
|                           | 69            | 176–77          | 139             | Rubric            | <b>Activity: Weather Watcher</b>  | God as Master of creation<br>God's omniscience                    |
|                           | 70            | 178–79          | 141–42          |                   | <b>Severe Weather</b>             | Faith in the Word of God  |
|                           | 71            | 180             | 143–44          |                   | <b>Chapter Review</b>             |   |

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|-------------------------------------|---------------|-----------------|-----------------|-----------------------|-------------------------------------|--|
| <b>Chapter 10: The Solar System</b> | 72            |                 |                 | Chapter 9 Test        |                                     |  |
|                                     |               | 181             | 145             |                       | <b>Chapter Opener</b>               |  |
|                                     | 73            | 182–85          | 146–47          |                       | <b>The Sun and the Solar System</b> | God as the only Creator<br>God's orderly design<br>God's loving care<br>God's knowledge of each individual |
|                                     | 74            | 186–89          | 149,<br>151–52  |                       | <b>Inner Planets</b>                | God as Master of creation  |
|                                     | 75            | 190–95          | 153–54          |                       | <b>Outer Planets</b>                |  |
|                                     | 76            | 196–97          | 155–57          | Rubric                | <b>Activity: Solar Mobile</b>       |  |
|                                     | 77            | 198–99          | 159–60          |                       | <b>Stars</b>                        | God's holding all creation together<br>God's vast creation<br>God's knowledge of each individual           |
| 78                                  | 200           | 161–62          |                 | <b>Chapter Review</b> |                                     |  |

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|---|---------------|-----------------|-----------------|-------------------|-------------------------------------|--|
| <b>Chapter 11: Cells, Tissues, and Organs</b> | 79            |                 |                 | Chapter 10 Test   |                                     |  |
|   |               | 201–3           | 163             |                   | <b>Unit and Chapter Opener</b>      | God's knowledge of each individual                     |
|   | 80            | 204–7           |                 |                   | <b>Cells</b>                        |  |
|   | 81            | 208–9           | 164–66          |                   | <b>Parts of Cells</b>               | God's perfect design                                   |
|   | 82            | 210–11          |                 | Rubric            | <b>Activity: Edible Cell</b>        |  |
|   | 83            | 212–15          | 167–70          |                   | <b>Tissues, Organs, and Systems</b> | God's perfect design<br>Christians as faithful workers |
|   | 84            | 216             | 171–72          |                   | <b>Chapter Review</b>               |  |

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|-------------------------|---------------|-----------------|-----------------|-------------------|--------------------------------------|--|
| <b>Chapter 12: Skin</b> | 85            |                 |                 | Chapter 11 Test   |                                      |  |
|                         |               | 217             | 173             |                   | <b>Chapter Opener</b>                | God's omnipotence<br>God's provision for man                                 |
|                         | 86            | 218–21          | 174             |                   | <b>Layers of Skin</b>                | God's variety in creation<br>God's provision for man<br>God's perfect design |
|                         | 87            | 222–23          | 175–78          |                   | <b>Fingerprints</b>                  | God's knowledge of each individual   |
|                         | 88            | 224–25          | 179             | Rubric            | <b>Activity: Patterns on My Skin</b> |  |
|                         | 89            | 226–30          | 181–82          |                   | <b>The Dermis</b>                    | God's provision for man<br>God's plan for man's body<br>God's perfect design |
|                         | 90            |                 |                 |                   |                                      |  |
|                         | 91            | 231             |                 | Rubric            | <b>Exploration: Under My Skin</b>    | God's perfect design<br>God's knowledge of each individual                   |
|                         | 92            | 232–33          | 183–84          |                   | <b>Skin Care</b>                     |  |
|                         | 93            | 234             | 185–86          |                   | <b>Chapter Review</b>                |  |
| 94                      |               |                 |                 | Chapter 12 Test   |                                      |  |