

PAKISTAN INTERNATIONAL SCHOOL BURAIDAH,
AL-QASSIM. SAUDI ARABIA.



BIOLOGY
SYLLABUS

CLASS IX
(Federal)

PAKISTAN INTERNATIONAL SCHOOL, BURAIDAH
SYLLABUS BREAKUP

Class: IX Subject: BIOLOGY

Number of Teaching Weeks in First Term: (1 - 14)

Number of Teaching Weeks in Second Term: (15 - 28)

Name of Text Book: NBF as Federal Text book board Islamabad

| Week No. | Chapter No. | Day | Topic | Book Page Numbers |
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| 1 | 8 | Day 1 | plant physiology | 113 |
| | | Day 2 | Nutrition in plants+Transport in plants | 114 |
| | | Day 3 | uptake of minerals salts and water | 115 |
| | | Day 4 | Mechanism of water absorption | 116 |
| 2 | 8 | Day 1 | Transpiration | 117 |
| | | Day 2 | Factors affecting the rate of transpiration | 118 |
| | | Day 3 | Ascent of sap | 119 |
| | | Day 4 | Test | |
| 3 | 8 | Day 1 | TACT Theory | 120 |
| | | Day 2 | Transportation of organic solute within plant body | 121 |
| | | Day 3 | Gas Exchange in plants | 122 |
| | | Day 4 | STEAM ACTIVITY | 123 |
| 4 | 8 | Day 1 | Homeostasis in plants | 124 |
| | | Day 2 | Osmotic Adjustment in plants | 125 |
| | | Day 3 | Exercise | |
| | | Day 4 | Test | |
| 5 | 9 | Day 1 | Plant Reproduction | 130 |
| | | Day 2 | Asexual Reproduction | 130 |
| | | Day 3 | Spore formation | 131 |
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| 6 | 9 | Day 1 | vegetative propagation | 132 |
| | | Day 2 | vegetative propagation | 133 |
| | | Day 3 | Methods of Artificial Vegetative propagation | 134 |
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| 7 | 9 | Day 1 | Sexual Reproduction | 136 |
| | | Day 2 | Sexual Reproduction | 137 |
| | | Day 3 | Sexual Reproduction | 138 |
| | | Day 4 | Seed and fruit formation | 139 |
| 8 | 9 | Day 1 | Test | |
| | | Day 2 | Structure of seed | 140 |
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| | | Day 4 | Condition of seed germination | 141 |
| 9 | 9 | Day 1 | STEAM ACTIVITY | 142 |
| | | Day 2 | Exercise | |
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| | | Day 4 | Test | |
| 10 | 10 | Day 1 | Evolution | 147 |
| | | Day 2 | variation and Evolution | 147 |
| | | Day 3 | Theory of Natural Selection | 148 |
| | | Day 4 | Analysing a case study of variables and selection | 149 |
| 11 | 10 | Day 1 | Test | |
| | | Day 2 | Evidence of Evolution | 150 |
| | | Day 3 | Evidence of Evolution | 151 |
| | | Day 4 | Improving Animals by selection | 152 |

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| 12 | 10 | Day 1 | Speciation | 153 |
| | | Day 2 | Exercise | |
| | | Day 3 | Exercise | |
| | | Day 4 | Test | |
| 13 | | Day 1 | Revision of chapter #1 | |
| | | Day 2 | Revision of chapter #1 | |
| | | Day 3 | Revision of chapter #2 | |
| | | Day 4 | Revision of chapter #2 | |
| 14 | | Day 1 | Revision of chapter #8 | |
| | | Day 2 | Revision of chapter #9 | |
| | | Day 3 | Revision of chapter #10 | |
| | | Day 4 | Revision of chapter #1 and 2 | |
| 15 | 3 | Day 1 | Revision of chapter #3 | |
| | | Day 2 | Revision of chapter #3 | |
| | | Day 3 | Revision of chapter #3 | |
| | | Day 4 | Test | |
| 16 | 3 | Day 1 | Revision of chapter #3 | |
| | | Day 2 | Revision of chapter #3 | |
| | | Day 3 | Revision of chapter #3 | |
| | | Day 4 | Test | |
| 17 | 4 | Day 1 | Revision of chapter #4 | |
| | | Day 2 | Revision of chapter #4 | |
| | | Day 3 | Revision of chapter #4 | |
| | | Day 4 | Test | |

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|----|---|-------|------------------------|--|
| 18 | 4 | Day 1 | Revision of chapter #4 | |
| | | Day 2 | Revision of chapter #4 | |
| | | Day 3 | Revision of chapter #4 | |
| | | Day 4 | Test | |
| 19 | 5 | Day 1 | Revision of chapter #5 | |
| | | Day 2 | Revision of chapter #5 | |
| | | Day 3 | Revision of chapter #5 | |
| | | Day 4 | Test | |
| 20 | 5 | Day 1 | Revision of chapter #5 | |
| | | Day 2 | Revision of chapter #5 | |
| | | Day 3 | Revision of chapter #5 | |
| | | Day 4 | Test | |
| 21 | 6 | Day 1 | Revision of chapter #6 | |
| | | Day 2 | Revision of chapter #6 | |
| | | Day 3 | Revision of chapter #6 | |
| | | Day 4 | Test | |
| 22 | 6 | Day 1 | Revision of chapter #6 | |
| | | Day 2 | Revision of chapter #6 | |
| | | Day 3 | Revision of chapter #6 | |
| | | Day 4 | Test | |
| 23 | 7 | Day 1 | Revision of chapter #7 | |
| | | Day 2 | Revision of chapter #7 | |
| | | Day 3 | Revision of chapter #7 | |
| | | Day 4 | Test | |

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|----|----|-------|--------------------------|--|
| 24 | 7 | Day 1 | Revision of chapter #7 | |
| | | Day 2 | Revision of chapter #7 | |
| | | Day 3 | Revision of chapter #7 | |
| | | Day 4 | Test | |
| 25 | 8 | Day 1 | Revision of chapter #8 | |
| | | Day 2 | Revision of chapter #8 | |
| | | Day 3 | Revision of chapter #8 | |
| | | Day 4 | Test | |
| 26 | 9 | Day 1 | Revision of chapter #9 | |
| | | Day 2 | Revision of chapter #9 | |
| | | Day 3 | Revision of chapter #9 | |
| | | Day 4 | Test | |
| 27 | 10 | Day 1 | Revision of chapter #10 | |
| | | Day 2 | Revision of chapter #10 | |
| | | Day 3 | Revision of chapter #10 | |
| | | Day 4 | Test | |
| 28 | | Day 1 | Revision of All chapters | |
| | | Day 2 | Revision | |
| | | Day 3 | Revision | |
| | | Day 4 | Revision | |