

**Junior Master Gardener Level 2**  
**Operation Thistle : Seeds of Despair**  
*Grade 8 Texas Essential Knowledge and Skills*

| <b>Leader Guide Activity</b>   | <b>Language Arts</b>         | <b>Mathematics</b> | <b>Science</b> | <b>Social Studies</b> |
|--------------------------------|------------------------------|--------------------|----------------|-----------------------|
| To Do List                     | 8.10, 8.13, 8.15             | N/A                | 8.6            | 8.3                   |
| Scavenge and Score             | 8.10, 8.11, 8.13, 8.20       | 8.2, 8.14          | 8.6            | 8.13                  |
| Preserving Beauty              | 8.8, 8.15, 8.18, 8.24,       | 8.2, 8.3, 8.14     | 8.1, 8.2, 8.3  | N/A                   |
| Museum Collection              | 8.8, 8.12, 8.13, 8.15        | N/A                | 8.4, 8.6, 8.11 | 8.27                  |
| Indoor Botanical Garden        | 8.6, 8.9                     | N/A                | 8.3            | 8.10                  |
| Nosy Neighbors                 | 8.6, 8.9, 8.15               | 8.2, 8.9, 8.14     | 8.2, 8.3       | N/A                   |
| Collage Casserole              | 8.13, 8.15, 8.17             | N/A                | 8.6            | 8.2                   |
| Vanishing Seeds                | 8.10, 8.11, 8.18             | N/A                | 8.2            | 8.10                  |
| Model Blooms                   | 8.15, 8.18                   | 8.1, 8.3, 8.14     | 8.11           | N/A                   |
| Variable Investigation         | 8.2, 8.5, 8.6, 8.9           | 8.4, 8.14          | 8.2, 8.3       | 8.29                  |
| Hydroponic Fish Vase           | 8.11                         | 8.14               | 8.6            | N/A                   |
| Can You Force a Plant to Bloom | 8.11                         | N/A                | 8.2            | N/A                   |
| Cultivating Contraption        | 8.15, 8.16, 8.17, 8.19, 8.24 | 8.8, 8.14          | 8.1, 8.2       | 8.31                  |
| Survivor Seedlings             | 8.3, 8.5, 8.6, 8.9, 8.10     | N/A                | 8.6, 8.11      | 8.10                  |
| Topiary Business               | 8.2, 8.11, 8.15, 8.19        | 8.14               | 8.1            | 8.13, 8.31            |
| Sweat Plants                   | N/A                          | 8.14               | 8.2            | N/A                   |
| The Tree Murder Mystery        | 8.12, 8.13                   | N/A                | 8.3            | 8.31                  |
| No Rain Vegetation             | 8.6, 8.9, 8.12               | N/A                | 8.3, 8.6       | 8.29                  |
| Germination Race               | 8.10                         | N/A                | 8.2, 8.11      | 8.30                  |
| Floor Flowers                  | 8.15, 8.21                   | N/A                | 8.3, 8.6       | N/A                   |
| Scraping Scores                | 8.15                         | 8.14               | 8.11           | 8.10, 8.30            |
| Pass Along Plants              | 8.11, 8.13                   | N/A                | 8.11           | N/A                   |
| 6 Week Propagation             | 8.13, 8.14, 8.15             | 8.14               | 8.2, 8.3       | 8.30                  |
| Plant Part Engineers           | 8.6, 8.9                     | N/A                | 8.11           | N/A                   |

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| To Do List                     | 8.10, 8.13, 8.15             | N/A                | 8.6            | 8.3                   |
| Scavenge and Score             | 8.10, 8.11, 8.13, 8.20       | 8.2, 8.14          | 8.6            | 8.13                  |
| Preserving Beauty              | 8.8, 8.15, 8.18, 8.24,       | 8.2, 8.3, 8.14     | 8.1, 8.2, 8.3  | N/A                   |
| Museum Collection              | 8.8, 8.12, 8.13, 8.15        | N/A                | 8.4, 8.6, 8.11 | 8.27                  |
| Indoor Botanical Garden        | 8.6, 8.9                     | N/A                | 8.3            | 8.10                  |
| Nosy Neighbors                 | 8.6, 8.9, 8.15               | 8.2, 8.9, 8.14     | 8.2, 8.3       | N/A                   |
| Collage Casserole              | 8.13, 8.15, 8.17             | N/A                | 8.6            | 8.2                   |
| Vanishing Seeds                | 8.10, 8.11, 8.18             | N/A                | 8.2            | 8.10                  |
| Model Blooms                   | 8.15, 8.18                   | 8.1, 8.3, 8.14     | 8.11           | N/A                   |
| Variable Investigation         | 8.2, 8.5, 8.6, 8.9           | 8.4, 8.14          | 8.2, 8.3       | 8.29                  |
| Hydroponic Fish Vase           | 8.11                         | 8.14               | 8.6            | N/A                   |
| Can You Force a Plant to Bloom | 8.11                         | N/A                | 8.2            | N/A                   |
| Cultivating Contraption        | 8.15, 8.16, 8.17, 8.19, 8.24 | 8.8, 8.14          | 8.1, 8.2       | 8.31                  |
| Survivor Seedlings             | 8.3, 8.5, 8.6, 8.9, 8.10     | N/A                | 8.6, 8.11      | 8.10                  |
| Topiary Business               | 8.2, 8.11, 8.15, 8.19        | 8.14               | 8.1            | 8.13, 8.31            |
| Sweat Plants                   | N/A                          | 8.14               | 8.2            | N/A                   |
| The Tree Murder Mystery        | 8.12, 8.13                   | N/A                | 8.3            | 8.31                  |
| No Rain Vegetation             | 8.6, 8.9, 8.12               | N/A                | 8.3, 8.6       | 8.29                  |
| Germination Race               | 8.10                         | N/A                | 8.2, 8.11      | 8.30                  |
| Floor Flowers                  | 8.15, 8.21                   | N/A                | 8.3, 8.6       | N/A                   |
| Scraping Scores                | 8.15                         | 8.14               | 8.11           | 8.10, 8.30            |
| Pass Along Plants              | 8.11, 8.13                   | N/A                | 8.11           | N/A                   |
| 6 Week Propagation             | 8.13, 8.14, 8.15             | 8.14               | 8.2, 8.3       | 8.30                  |
| Plant Part Engineers           | 8.6, 8.9                     | N/A                | 8.11           | N/A                   |