

Bonsai Care and Development

<u>Tree: Type and Stage</u>	<u>Operations and Purpose</u>	<u>Timing</u>
<i>Conifer - Deciduous - Broadleaf</i>	Whole Tree	Dec. 21 Winter Solstice Mar. 21 Vernal Equinox June 21 Summer Solstice Sep. 21 Autumnal Equinox
Trunk Development	1. Sun / Temp / Wind - adjust growth cycle - damage control	Angle / Intensity of Sun - Temp (Perform Operations at the Appropriate Times in the Plant's Growth Cycle)
Primary Branches	2. Water - maintain proper hydration	
Secondary / Tertiary Branches	3. Soil / Pot - size and composition / volume and shape	
Twigs and Foliage	4. Transplant interval - speed-up / slow down growth - refresh	
Maintenance (Revert back to earlier stage when necessary to solve problems)	5. Fertilizer - growth regulation - amending for health	Hormones
Special Features	6. Pest Control - treat and/or get ahead of Insects and fungus	Auxin - Apical Growth Cytokinin - Lateral Growth
Single or multiple trees / trunks	Targeted Operation	Pinch / Prune Hint
Bark - smooth or fissured	7. Cutting Branches or Leaves	"rule" of 2 --Leave 2 buds / leaves - a leader and a side shoot
Deadwood - jin - shari - uro	<i>Pinching</i> - shorten internodes - maintain shape - bifurcate/divide	Wiring Hints
Foliage - Flowers - Fruit	<i>Pruning</i> - determining shape - bifurcate/divide	Gentle constant contact - 45° +
Roots - radial - exposed - raft	<i>Thinning</i> - Open cramped areas - save inner branches - elongate	Push not pull - wire behind bend
Make Defect into Effect	<i>Defoliation</i> - reduce leaf size	Setting : Bend <i>in</i> toward main, then bend <i>out</i> toward sun.
To Work on Tree -look for	8. Wiring - Shape Branch / Design	
Bushy Growth		
Runners Extending		
Mostly Hardened Growth		