

Biology in a Box
Materials List for Unit 9: Forestry

Item	Quantity
Exercise 1: Dendrology, large zipper bag containing:	1
Exercise 1a: Tree Trunks envelope containing:	1
Tree poster	1
Trunk puzzle	1
Tape measure	1
Trunk diagram	1
Deck of Missing Parts cards:	1
Question cards	7
Picture cards	5
Zipper bag containing:	1
Tree cookie from Species A	1
Tree cookie from Species B	1
Clinometer	1
10 m retractable measuring tape	1
Exercise 1c: Leaves & Seed Cases	See below
Envelope of leaves (14):	1
A – Black Walnut	1
B – Yellow Buckeye	1
C – Eastern Hop Hornbeam	1
D – Flowering Dogwood	1
E – Eastern Red Cedar	1
F – Eastern Hemlock	1
G – Pignut Hickory	1
H – Eastern Redbud	1
I – Sugar Maple	1
J – Sweet Gum	1
K – Tulip Poplar	1
L – Virginia Pine	1
M – Red Oak	1
N – White Pine	1
Bag of seed cases (in individual plastic vials):	1
1 - Tulip Poplar	1
2 - Black Walnut	1
3 - Virginia Pine	1
4 - Yellow Buckeye	1
5 - Flowering Dogwood	1
6 - Sweet Gum	1
7 - Sugar Maple	1
8 - Eastern Hop Hornbeam	1
9 - Eastern Red Cedar	1
10 - White Pine	1
11 - Eastern Redbud	1
12 - Red Oak	1
13 - Eastern Hemlock	1
14 - Pignut Hickory	1

Item	Quantity
Exercise 2: Wood Types in zipper bag:	1
Magnifying glass	1
Rulers (6")	6
Exercise 2a: What's that Wood? in sealable plastic bag	1
Wood chips labeled with wood type	See below
Ash	1
Basswood	1
Birch	1
Cedar	1
Cherry	1
Mahogany	1
Maple	1
Oak	1
Pecan	1
Pine	1
Tulip Poplar	1
Walnut	1
Wood chips labeled A-L	See below
A	1
B	1
C	1
D	1
E	1
F	1
G	1
H	1
I	1
J	1
K	1
L	1
Exercise 2b: Wood Density in sealable plastic bag:	1
Balsa wood cube	1
Birch wood cube	1
Lignum vitae cube	1
Digital scale	1
Instruction manual for digital scale	1
Batteries for digital scale	2
100g calibration mass	1
Exercise 2c: Wood Porosity bag	1
Pine porosity sample (A)	1
Oak porosity sample (B)	1

Item	Quantity
Exercise 3: Wood Products container with:	1
Toothpick	1
Clothespin	1
"Latex" glove (allergy-free substitute)	1
Cork	1
"Aspirin" (candy replica in Rx bottle)	1
Cellophane	1
Plastic comb	1
Rayon fabric	1
Photographic film	1
Paper product (cardboard, paper, etc.)	1
Toothpaste	1
Chewing gum	1
Soap	1
Glue stick	1
Small container of maple syrup	1
Small container of oil	1
Crayon	1
Exercise 4: Who Lives Here? envelope containing:	1
Forest Scene poster	1
Critter cards	15
Habitat cards	15
Exercise 5: Forest Succession envelope containing:	1
External Forces cards	27
Succession game board	1
	1
Exercise 6: Forest Pests envelope containing:	
Monoculture game board (trees all the same color)	1
Mixed stand game board (trees of 2 colors)	1
Blank land game board	1
Sample of Southern Pine Beetle damage	1
Container of multicolored plastic paper clips	1
Unit 9 Workbook (2012)	1
Biology in a Box Teacher Packet containing:	1
Biology in a Box Project Overview sheet	1
"PowerPoint 101" sheet	1
CD of all Biology in a Box units & activities	1
Laminated Materials List for Unit 9 (this sheet)	1