

***Tuck Everlasting: The Musical* - Work Breakdown Outline**

1) Foster Manor – 2 Units (House & Fence)

- 5 Sections
 - Platforms
 - ▶ Stock Platforms – Pull
 - 1) 4' x 8'
 - 1) 2' x 8'
 - 2) 4' x 4'
 - ▶ Bolt the 4' x 8' and 2' x 8' together
 - ▶ Caster Platforms – Swivel Casters (Standard Size)
 - ▶ Add system to connect platform units – Coffin Locks?
 - ▶ Create track system on the 4' x 4's for the Side Walls
 - ▶ Add Maso and Lauan for facing – Clean up seams
 - Side Walls
 - ▶ Custom Flats – Curved Tops (See Design Plate 13)
 - 2) 1' x ~ 7' 3/8"
 - 2) 1' x ~ 7' 4 3/4"
 - ▶ 1x3 and Ply Construction
 - ▶ Add Sliding System for Walls (See Sketches)
 - ▶ Face with Lauan
 - Trim on one side
 - Faux Siding on Reverse
 - ▶ Add Bushes to Front of Walls
 - Center Wall
 - ▶ Custom Flat – Peaked Top (See Design Plate 11)
 - 1) 8' x ~ 10'-6"
 - ▶ 1x3 Construction
 - ▶ Create Window Inserts
 - CNC Section
 - No Plexi used
 - Add Detail Molding
 - ▶ Face with Lauan
 - Trim on one side
 - Faux Siding on Reverse
 - ▶ Roof
 - 1x3 Construction
 - Faux Shingles
 - CNC Curve in Lauan Facing
 - Add Detail Molding
 - ▶ Pillars
 - 1x3 Construction
 - Add Detail Molding
 - ▶ Latticework
 - Ply interlay
 - Secure between Pillars and Wall
 - ▶ Pull Door from Stock

- Fence
 - Custom Fence and Gate
 - 4 x 4 Post and Ply Construction
 - CNC Gate Sections
 - Add Drop Pin System so Gates can be Removed Easily
 - Cut Fence Radius and Rip Vertical pieces (See Design Plate 15)
 - Cut Horizontal Pieces from Ply at 3.5"
 - Cut Bases and Caps from Ply

2) Tuck Cottage – 1 Unit

- 3 Sections
 - Platforms – Custom and Pull
 - Pull Stock Wood
 - 3) 4' x 8'
 - 1) 3' x 8'
 - 2) 4' x 4'
 - Custom Built
 - 1) 1' x 8'
 - 1) 3' x 4'
 - Standard Platform Construction
 - Bolt Indicated Platforms Together (See Tuck Cottage Sketch)
 - Caster Platforms – Swivel Casters (Standard Size)
 - Add System to Connect Platform Units – Coffin Locks?
 - Walls
 - 4x4 Posts Used for Vertical Supports
 - ¾" Ply Used for Horizontal sections
 - "Outside" Areas are cover in Faux Foliage
 - Roof
 - 1x1 Actual Construction
 - Lauan Facing on Both Sides
 - Cover Top with Straw or Hay
 - Door
 - 1x Construction
 - ½" Ply Trim
 - Pull/Latch Mechanism for Doorknob

3) Spring Tree – 1 Unit

- 1 Section
 - Base Platform
 - Custom Built – ¾" Ply Laminate Construction
 - 1) ~8' x ~8'
 - Cut and Laminate Layers Together
 - Caster Base – Triple Swivel Casters
 - Framing/Structure – (Unit Holds Two Actors)
 - 1x1 Steel Box Tube Construction
 - Add in Ladder Points within Base Structure
 - Add Ramp Section to Base Structure
 - Add Branches
 - Bolt Structure to Base Platform

- ▶ Cover Structure with Chicken Wire
 - ▶ Add Access Door in Structure
 - Mechanical Components
 - ▶ Fountain System
 - Fish Water Filter?
 - ▶ Set up Pneumatic Brake System
 - Use Pancake Cylinders and Bubble
 - ▶ Fiber Optic Lights
 - ▶ Test All Mechanical Components
 - Texture
 - ▶ Add Bark Texture After Mechanical Component Install
 - ▶ Use Cloth or Paper Strips with Watered Down White Glue
 - ▶ Cover Tree Completely
- 4) Top of the World Tree – 1 Unit
- 1 Section
 - Platform – Pull
 - ▶ Stock Platform - 4'x8'
 - ▶ Caster Platform – Swivel Casters (Standard Size)
 - ▶ Add Brakes After Unit Completion
 - Framing/Structure – (Unit Holds Two Actors)
 - ▶ 1x1 Steel Box Tube Construction
 - ▶ ¾" Ply for Top Walking Section
 - ▶ Wrap in Chicken Wire
 - ▶ Add Bark Texture
- 5) Trees – 7 Units
- 7 Sections
 - Proscenium Trees
 - ▶ CNC Profiles Out of Lauan and Add Bark Texture
 - ▶ Screw Directly to Proscenium Flats
 - Mid Stage Trees
 - ▶ Steel Flat Construction
 - Add Bolted Connections at Seams
 - ▶ CNC Profiles Out of Lauan
 - ▶ Bolt Traveler Casters Across Top
 - ▶ Send to Sculptural Artist to Add Bark Texture
 - ▶ Hang Traveler Track on Indicated Linesets Attach Trees
 - ▶ Fly to Trim Height
 - Ground Row Trees
 - ▶ Stretch Scrap Drops Out and Paint Trees
 - ▶ Cut Trees Out Leaving Top with Grommets
 - ▶ Attach to Lineset and Fly to Trim Height
- 6) Branches – 4 Units
- 9 Sections
 - Branches – (See Design Plate 4-5)
 - ▶ Hollywood Flat Construction
 - 1x3 Framing (Non-Standard Framing)
 - ▶ CNC Profile Out of Lauan
 - ▶ Rigging

- Shackle Plates – (Through Bolt)
- Shackles
- 1/8" Wire Rope
- Send to Sculptural Artist to Add Detail Texture

7) Fair Booths/Ticket Booth/Cart

- 1 Sections
 - Sign Façade
 - Cut Out on CNC
 - Send to Paints
 - Attach Sign to Booths
 - Booths – Build 2
 - Base Section
 - 1-1/2" x 1-1/2" Actual Construction
 - Build Box Frame – Cross Brace
 - Top Section
 - 1-1/2" x 1-1/2" Actual Construction
 - Build SQ Frame with 1/2" Ply Peak
 - Assemble Sections and Cover with Light Weight Muslin
 - Cover Muslin with Glue to Size Fabric
 - Send to Paints
 - Cart
 - 2x4 Construction
 - Build Bottom Framing
 - Build Top Framing
 - CNC Cart Wheels – Use 3/4" Ply
 - Use 1-1/4" Sch 40 Pipe for Axil
 - Attach Flanges to Wheels
 - Create Bushings for Wheel Alignment
 - Distress Unit After Assembly
 - Beat Cart with Chain
 - Create Wear with Angle Grinder
 - Send to Paints

8) Fair Tent/Lanterns

- 2 Sections
 - Fair Tent
 - Stretch Old Drop Out and Paint
 - Sew New Pipe Pocket and Reinforced Rigging Points
 - Cut Out Tent Shape
 - Add 1/2" Ply Reinforcements to Curve – Staple
 - Lanterns
 - Cut Lantern Shape Out of Black Cardstock
 - Add Frosted Gel
 - Rig Rope Lights
 - Attach Lanterns to Rope Lights

9) Boat/Dock – 2 units

- 2 Sections
 - Boat

- ▶ CNC Framing Out of ¾" Ply
- ▶ CNC Planking Out of ¼" Luan
- ▶ Caster Unit
 - Attach Casters to Base Section
- ▶ Assemble Framing
 - Top and Base Cap Framing
- ▶ Attach Luan Facing
- ▶ Attach Luan Planking
- ▶ Add Trim and Keel Section
- ▶ Send to Paints
- Dock
 - ▶ Custom Platform – (See Design Plate 26)
 - 1x3 Construction
 - Glue and Staple
 - ▶ Legs
 - 3-3/4" Round Fence Posts
 - Mortise Posts to Attach to Framing
 - Glue and Screw
 - ▶ Planking
 - 1x3 Boards Cut to Fit
 - Screw in Place
 - ▶ Send to Paints

10) Ground Row – 1 Unit

- 2 Sections
 - GR – (See Design Plate 10)
 - ▶ ¾" Ply and Luan Construction
 - Cut Material to Length and Width
 - Cut in Curve at On Stage Ends
 - Glue and Screw Ply
 - Glue and Staple Luan
 - ▶ Attach 2" Foam to Luan Front
 - Carve Foam to Rounded Over Shape
 - Sand Smooth
 - ▶ Apply Faux Grass
 - ▶ Send to Sculptural Artist to Apply Foliage Detail