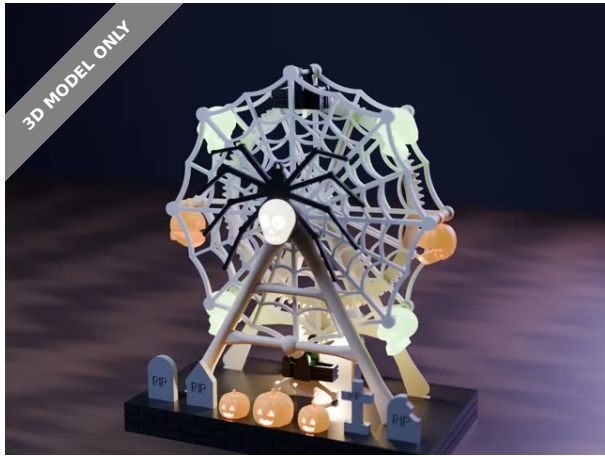




The Midnight Web Wheel - Halloween Ferris Wheel with Chomping Skulls (crank, no supports)

 coolgoblinxd

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Summary

Turn the bone crank: skulls snap their jaws, coffins pop open, a spider rules the web. Prints without supports!

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[mechanical](#) [skeleton](#) [spiderweb](#) [spooky](#) [coffin](#)
[glowinthedark](#) [crank](#) [graveyard](#) [kinetic](#) [nosupports](#)
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Optional TPU parts

- **42 - TPU gear keeper band (recommended):** a small loop around the fixed axle and the pinion shaft – it keeps the gears engaged so they never skip, and it is hidden behind the ring gear.
- **43 - TPU belt around both gears (optional, cosmetic):** a smooth belt that hugs the ring gear and the pinion.

- Print in TPU 95A, slowly (20–25 mm/s). Fit it before mounting the back tower. Beyond seven hills and one very foggy meadow lies the little village of **Bonehollow**. When the clock strikes midnight on Halloween, Granny Weaverly – the oldest spider in the land – turns her finest web into a Ferris wheel... and the whole graveyard climbs aboard.

Turn the bone crank and watch it come alive

- **Spider-web wheel** (Ø 189 mm) with sagging, spooky threads
- **Real-bone towers** and a **bone crank** – 6:1 gear drive (16 → 96 teeth) for a slow, smooth ride
- **4 skulls with real hinged jaws** – they hang open... until **zombie Frank's hand** at the bottom snaps them shut: clack!
- **2 jack-o'-lantern heads** that chomp the same way
- **2 coffins** – the zombie hand pushes a pin, the lid lifts and a tiny skull peeks out
- **Spider with a glowing skull abdomen** on the fixed hollow axle (an LED wire runs through the axle – nothing tangles)
- **Graveyard base** with tombstones, glowing pumpkins and a mausoleum that holds the crank shaft

Everything prints WITHOUT SUPPORTS

All STL files are already oriented for printing. Ten 3MF plates for a 220 × 220 mm bed are included, grouped by color.

Print info

- Tested on Creality Ender-3 V3 KE (220 × 220). The 3MF plates open in PrusaSlicer, Bambu Studio, OrcaSlicer and Creality Print.
- PLA, about 240 g in total, about 10 hours of printing
- 0.20 mm layers for skulls and mechanics, 0.24 mm with 100 % infill for the web, bones and gears, 0.28 mm for the base
- Suggested colors: ivory web & bones (with a brown patina!), glow-in-the-dark skulls, orange pumpkins, black coffins and base

You will also need

- paper clips (skull jaw hinges) and a bit of 1.75 mm filament (pumpkin and coffin hinges)
- super glue, a lighter (to slightly melt pin and rod ends), sandpaper, a white marker for details
- optional: battery LED lights (tea lights or a small LED string)

Included

- 33 numbered STL files (the quantity is in the file name) and 10 × 3MF plates
- A step-by-step **LEGO-style assembly guide (PDF)** with a parts catalog and print times – plus the full Bonehollow story

Happy Halloween!

Model files



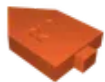
15_mausoleum.stl



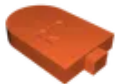
04_hollow_axle.stl



18_crank_handle.stl



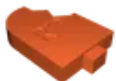
23_tombstone_gothic.stl



22_tombstone_arch.stl



24_tombstone_cross.stl



25_tombstone_broken.stl



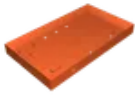
03_wheel_hub.stl



16_pinion_with_shaft.stl



14_spider_skull_abdomen.stl



19_graveyard_base_print_upside_down.stl



12_zombie_hand.stl



05_cabin_rods_8pcs_print_flat.stl



21_pumpkin_small_x2.stl



20_pumpkin_large.stl



17_bone_crank.stl



13_spider_legs.stl

07_bone_tower_back_crank_hole.stl



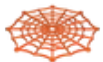
06_bone_tower_front.stl



02_ring_gear_96t.stl



01_spider_web_wheel_x2.stl



36_pumpkin_jaw_upside_down_x2.stl



40_coffin_skull_pin_x2.stl



39_coffin_lid_x2.stl



33_spacers_skull_8pcs.stl



32_skull_jaw_x4.stl



41_spacers_coffin_4pcs.stl





34_pumpkin_head_half_a_x2.stl



38_coffin_body_x2.stl



37_spacers_pumpkin_4pcs.stl



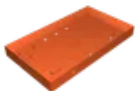
31_skull_half_b_x4.stl



30_skull_half_a_x4.stl



35_pumpkin_head_half_b_x2.stl



09_base_turbo_black.3mf



08_back_tower_strong_bone.3mf



10_mausoleum_tombstones_turbo_grey.3mf



03_coffins_spider_detail_black.3mf



05_web_2_strong_white.3mf



06_ring_gear_small_parts_strong_bone.3mf



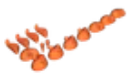
04_web_1_strong_white.3mf



07_front_tower_strong_bone.3mf



02_pumpkins_detail_orange.3mf



01_skulls_detail_glow.3mf



43_tpu_gear_belt_optional.stl



42_tpu_gear_keeper_band_recommended.stl



midnight_web_wheel_a1_final.3mf



creality-midnight_web_wheel_a1_final.3mf

Other files



assembly_guide_en.pdf

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