**Prusa Spare Parts Needed: for MK3S Suggested by Bruce 2/25/2025**

These seem to be the most likely failure or maintenance issues based on this years class.

Pinda Sensor <https://www.prusa3d.com/product/superpinda/> 1 $26

MK3S Hotend assembly <https://www.prusa3d.com/product/assembled-hotend-mk3s/> 1 $80

Heatbed Thermister <https://www.prusa3d.com/product/heatbed-thermistor-set-mk3-s-mini/>

$6/ea 3 $18

Hotend Heater <https://www.prusa3d.com/product/hotend-heater-cartridge-24v-40w-mk3-s/>

1 $7

Hotend Block <https://www.prusa3d.com/product/hotend-heaterblock/> 1 $17

Hotend PTFE Tube <https://www.prusa3d.com/product/hotend-ptfe-tube-mk2-5s-mk3s-mmu2s/>

$1.20/ea 4 $5

Hotend Thermister <https://www.prusa3d.com/product/hotend-thermistor/> 3 $30

Print Sheet Smooth <https://www.prusa3d.com/product/smooth-pei-print-sheet/> 1 $35

Hotend Heatbreak <https://www.prusa3d.com/product/hotend-heatbreak-mk3-s-mk2-5-s-mmu2s/>

1. $19

Total: $205

**Consumables:**

We went through about 4 kg of PLA filament (roughly) this year. I would expect that with more printers that would at least double. We currently have about 2-3 kg of PLA filament remaining. I would order 4-5 spools of black and grey PLA filament (total 3 kg) to prepare for next year.

I would also get 1-2 700g spools of black TPU (flexible) filament to experiment with next year. TPU requires a textured print sheet to reduce adhesion. We don’t currently have textured print sheets.

<https://www.prusa3d.com/product/textured-powder-coated-print-sheet/>

**Future Purchases:**

I would recommend getting at least 3 more Prusa Printers. The MK3S is no longer available but the MK4S is about the same price ($1000) as the MK3S’s were. The MK4S is faster and higher quality but very comparable. Hard to teach a class of 24+ with only 3 printers.

One option is to upgrade the MK3S’s to MK4S with a kit ($580/ea)

Total Budget to end up with 6 MK4S’s is $4800.