















Model Building 101

Squirting Paint



WELCOME!

Aerosol Mix Types

Thermodynamic Mix Types: External and Internal

External aerosol mixtures combine the paint just outside the tip of the brush.

Internal aerosol mixtures combine the paint and air inside the brush.

External aerosol mixtures combine the paint and air just outside the tip.

Internal aerosol mixtures combine the paint and air inside the brush.

External aerosol mixtures combine the paint and air just outside the tip.

Internal aerosol mixtures combine the paint and air inside the brush.



All we need is the air...

We need air. Some sources:

- Canned Air
 - Propel, etc.
- Other air reservoir
 - Spare tire
 - Air tank
- Compressor
 - Hobby compressors-diaphragm, piston, silent
 - Workshop compressors



Color, please...

The solids in paint are called “pigments”, and they can be natural or artificial.

Basically, they are finely ground powders that give paint its color—it’s what makes that jar of Feldgrau, Feldgrau...

Not all paints are the same—some paints’ pigments are ground finer than others in order to get a smoother, “finer” finish.









Thinning

The one hard and fast rule for thinning paint for airbrush use?

ALWAYS use the thinner that the paint manufacturer recommends. It may be a proprietary product, or it may be a generic product.

Most of the problems encountered when airbrushing are related to thinning the paint.



Balancing

As you add thinner, you are increasing the amount of solvent in the solution. Depending on how much thinner you add, it can have an affect on the paint's adhesion and coverage.

You can add binder in the form of a compatible clear gloss or clear matte paint to restore the balance.



Procedure: Other Paint

All paints are similar, but all paints are different. Tips:

- Tamiya Acrylics and the GSI/Creos Aqueous Hobby Colors (the old Gunze Sanyo acrylics) thin with lacquer thinner or X-20A—or a mix of the two.
- Model Master Acryls thin with Distilled Water or Testors Acrylic Thinner.
- MRP thins with lacquer thinner or GSI/Creos Mr. Leveling Thinner.
- Mission Models thins with their own thinner. Don't try to substitute anything else. The same is true for AK, Mig, Lifecolour, and Hataka.

Procedure: Other Paint

The old saw about preparing paint for airbrushing is to thin it “to the consistency of milk”.

For hobby enamels, this is still true.

For modern acrylics, you will find you need to thin the paint a bit more—it will almost appear to be too thin.

The modern lacquers (GSI Mr. Color and MRP) seem to do best when they are almost the consistency of ink. MRP is quite thin and should work out of the bottle.



Procedure: Air Pressure

Air Pressure, like thinning ratios, is a variable. There is no “One Size Fits All”, you will find that you will need different air pressures for different circumstances.

Pressure and thinning ratios are “partners” in the process.

Much of what you learn will be through the process of experimentation. Keep a note pad at your workbench and write things down—paint, thinning ratio, what thinner you used, air pressure, and airbrush.



Time to clean

Without a doubt, a clean airbrush is a happy airbrush...

As you clean, you need to be careful not to damage the airbrush. The items that are easily damaged include the needle and the nozzle/tip. If these get damaged, they will need to be replaced.

Again, there's no substitute for doing, so pay attention to the demonstration.





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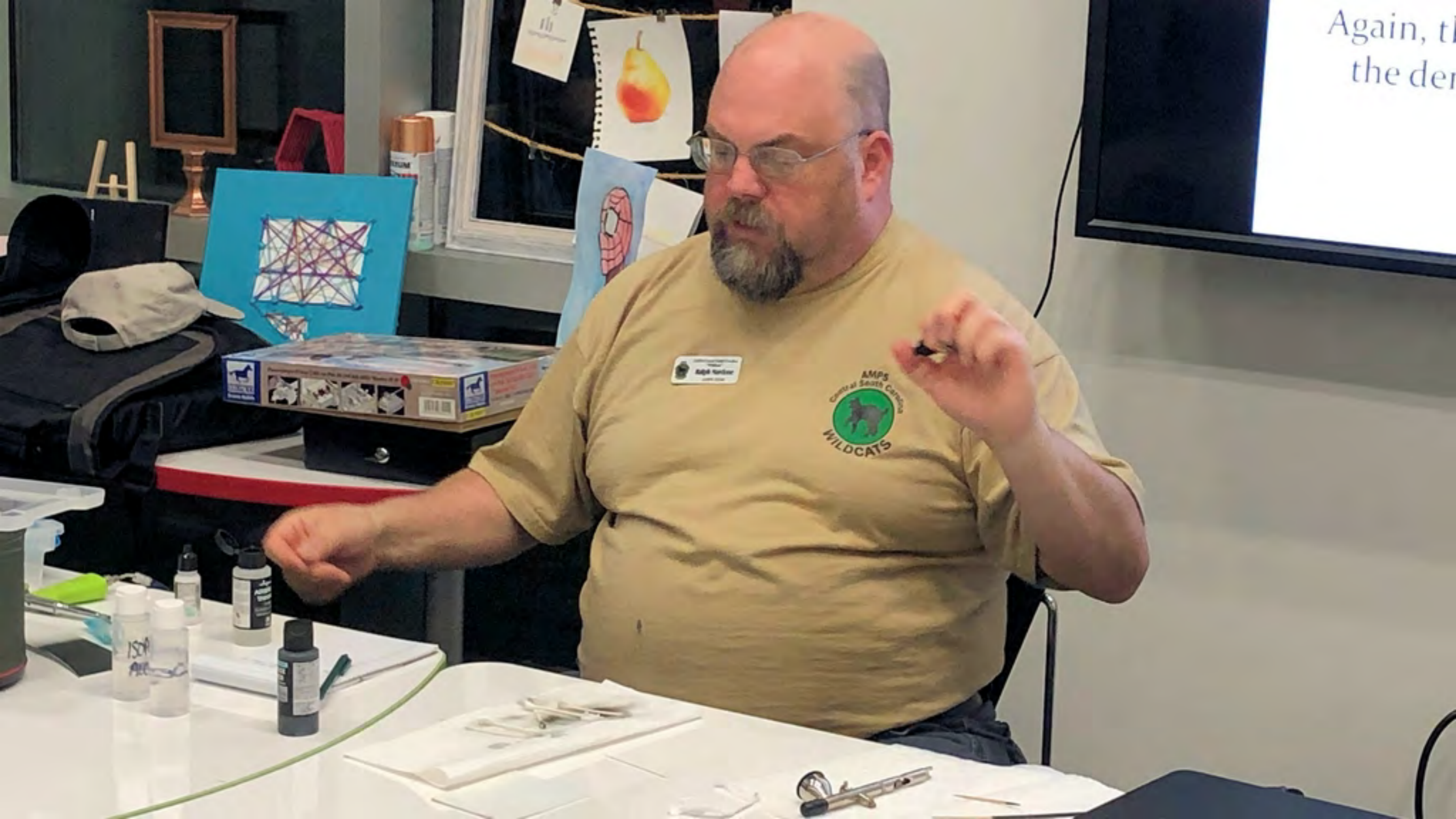
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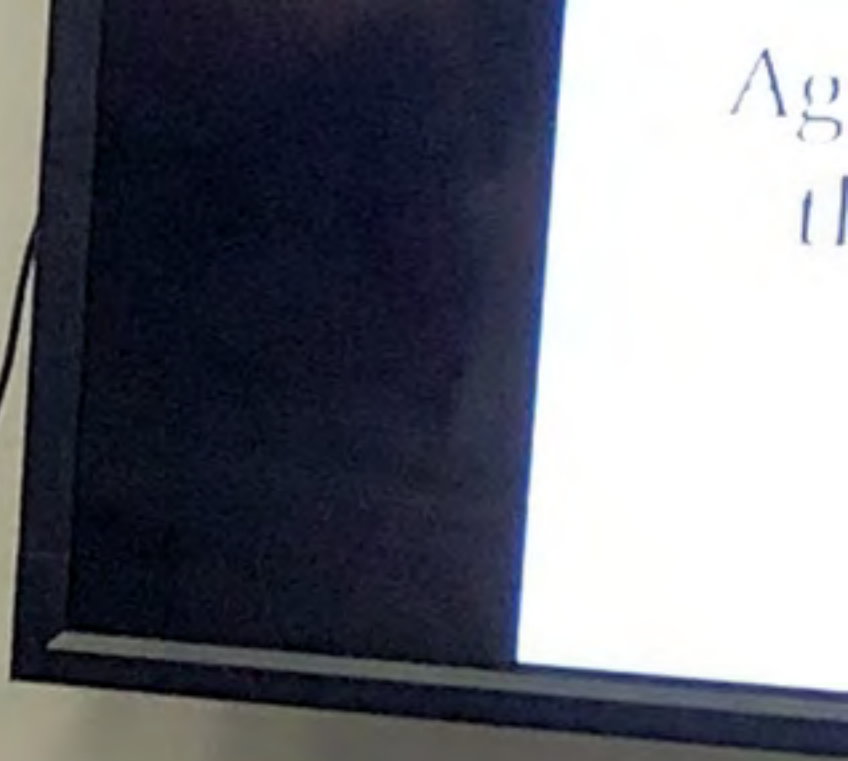
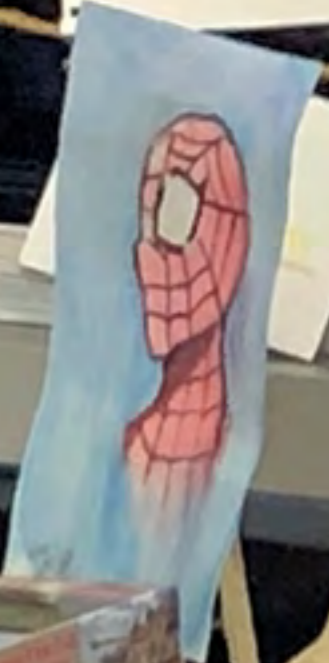
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Handwritten notes on a card pinned to the bulletin board.





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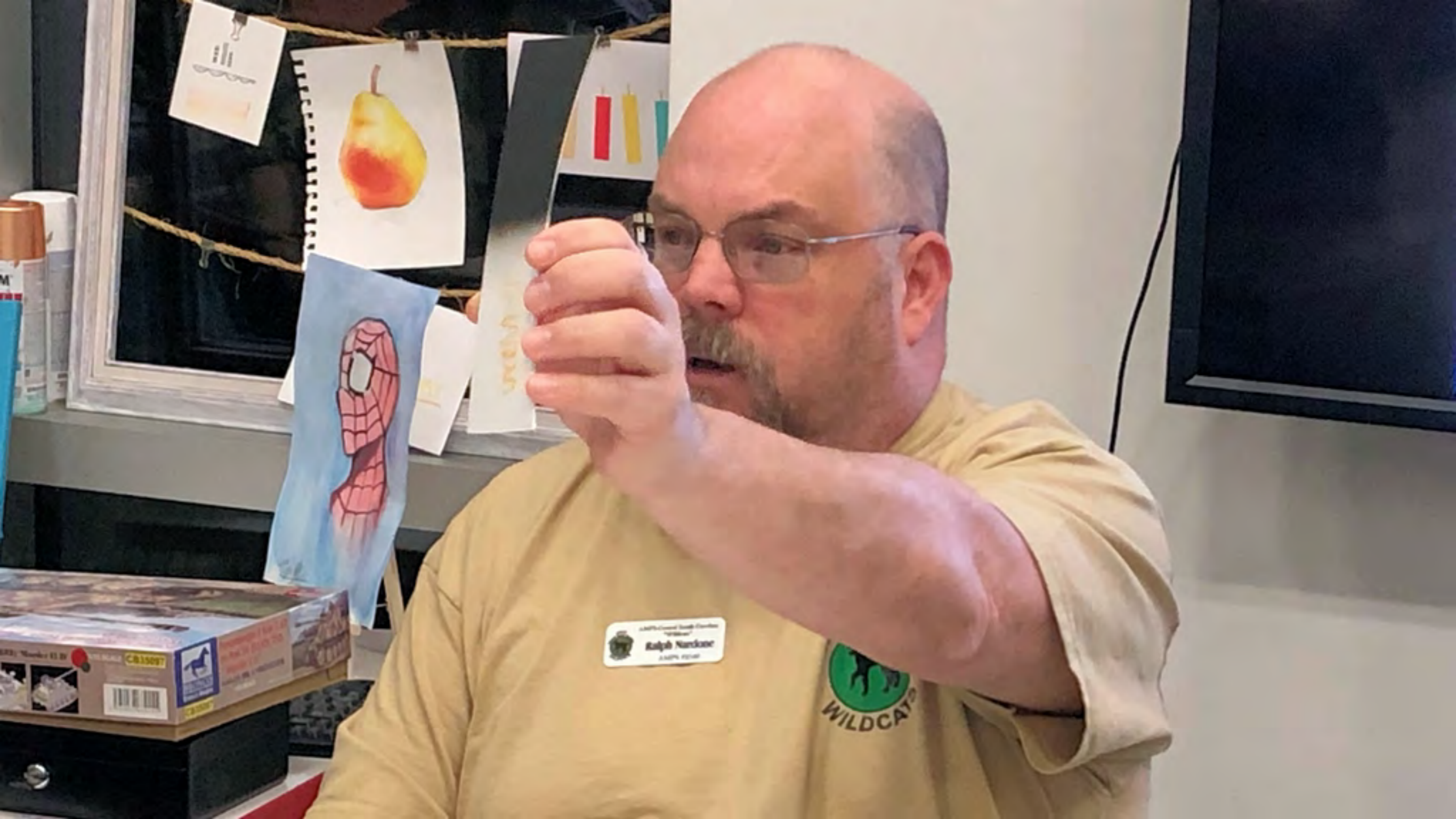
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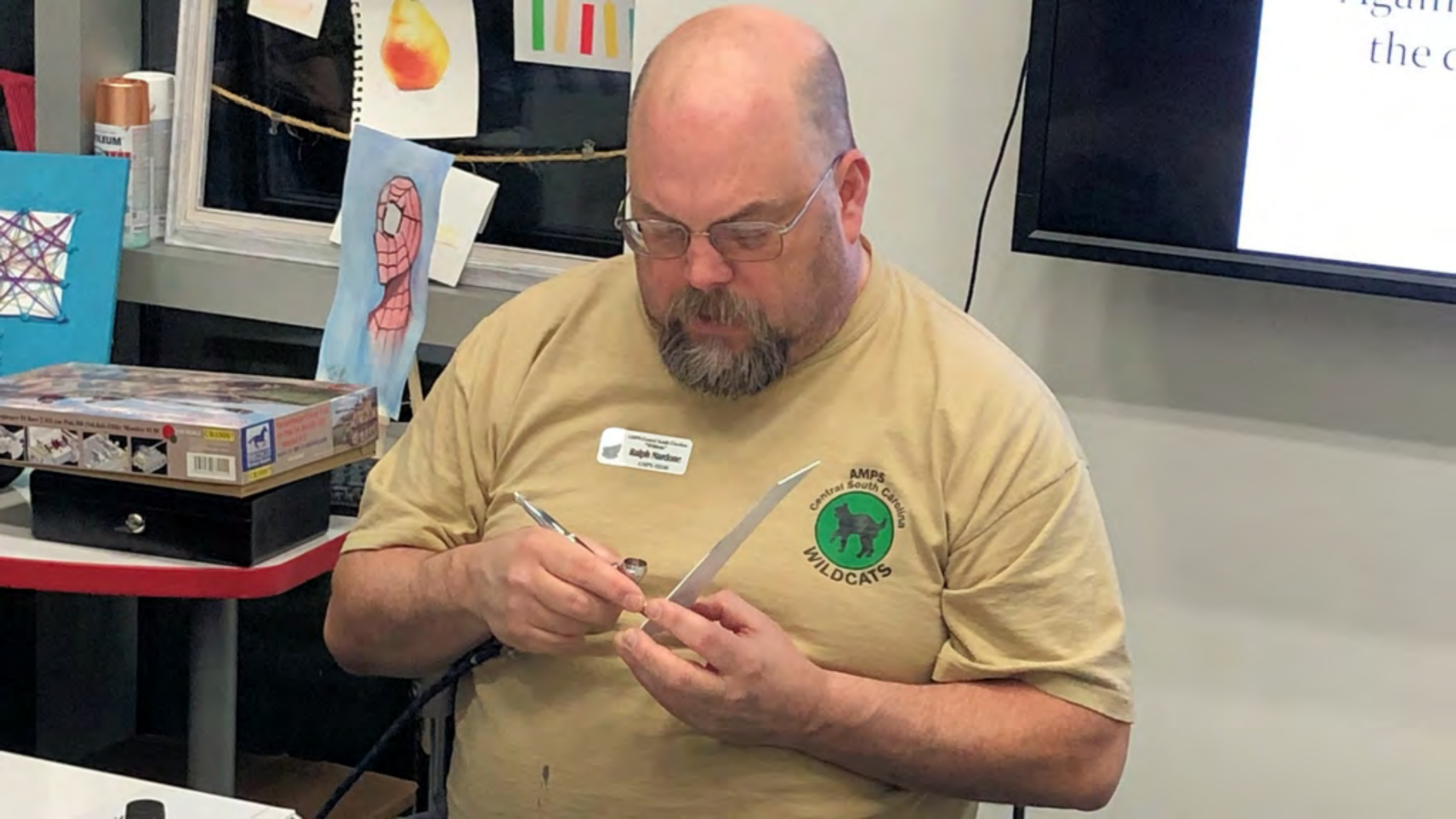
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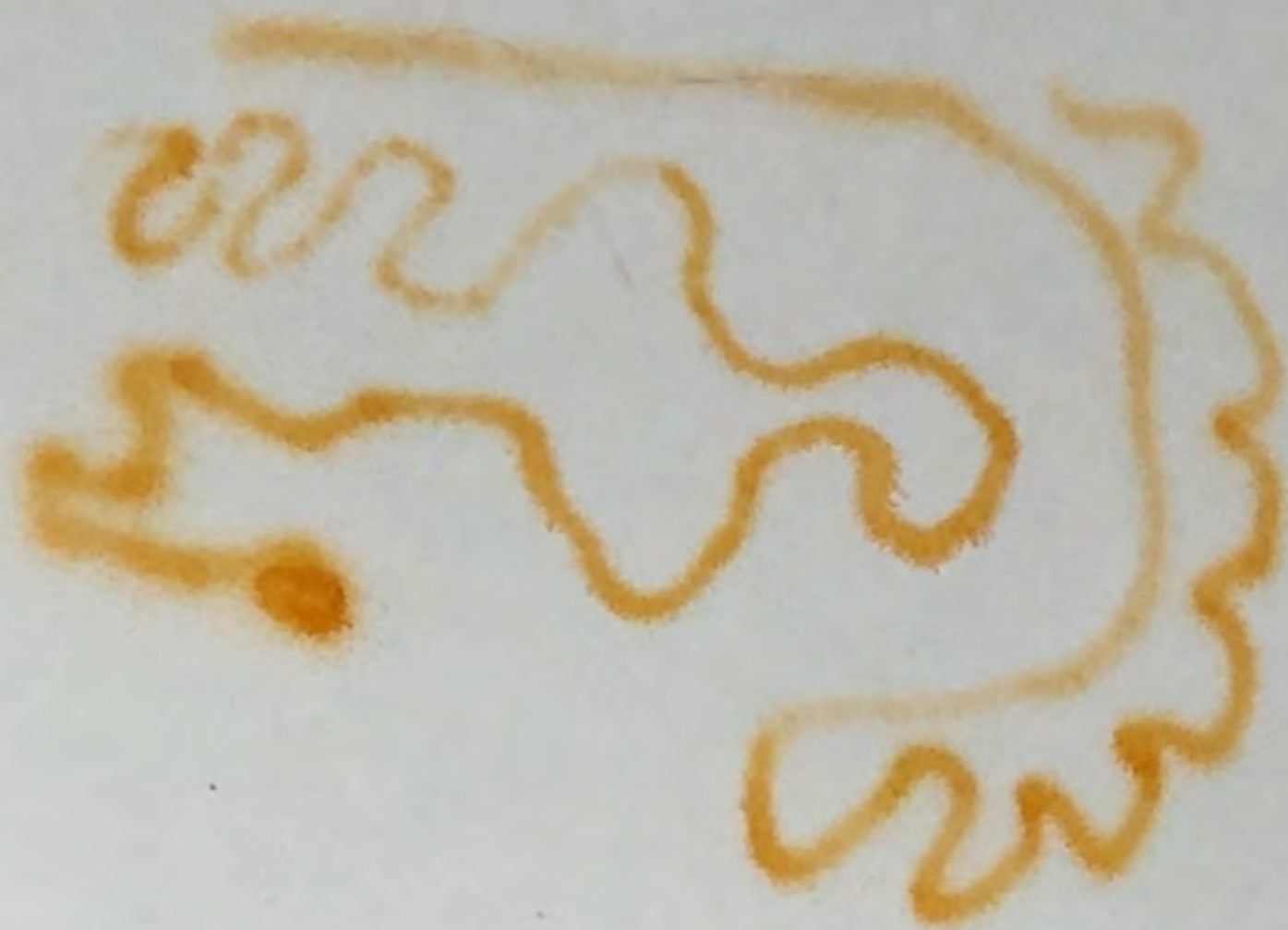
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Please Read



So, now you know...

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- A little knowledge is a good thing, but where do you go from here? Well, go build a model using what we've told you today. If a certain technique we've discussed doesn't exactly work for you, experiment and tweak it until it does work for you. This should be treated as a continuous learning process that grows as your skills improve. Never stop trying to learn!









WELCOME!

Library Connect programming is made possible by the Learning Center, University of the Redland Library, Parks, and Recreation Learning Center program providing training, advice and resources, including on-line business and job search training to adults and engaging student learning through high-visibility options.

Library will be showcasing an exciting Library Connect programming.

Library Contact: 954-347-1100 or library@redland.org



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Learning Centers programming is made possible by the Learning Centers Campaign of the National Library of Medicine and Foundation. Learning Centers programs promote learning, career and mobility; focusing on the business and job support needs of adults, and engaging student learners through high technology options.

Please see library staff for information on available Learning Centers programming.

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Learning Centers programming is made possible by the Learning Centers Campaign of the Richland Library Friends and Foundation. Learning Center programs promote tinkering, classes and creativity, focusing on the business and job support needs of adults, and engaging student learners through high technology options.

Contact Library staff for information on Learning Centers programming.

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13NOV19 Meeting:

1. Porche 911 GT1 (Tamiya, Acrylic Paints), 1/24 – Trevor Edwards
2. M728 Combat Engineer Vehicle (AFV Club + T-148 Workable Tracks), 1/35 – Ben Brandes
3. Vietnam War Fire Support Base M450 CASE Bulldozer (3D Printed & Scratch built), 1/72 – Ben Brandes
4. JGSDF Type 16 Maneuver Combat Vehicle (Tamiya + DEF Model resin Sagged Wheel Set), 1/35 – Matthew Goodman
5. Pz.Kpfw. I Ausf. B (Italeri + Spare Parts), 1/35 – David Cicimurri
6. Renault FT Light Tank Quadruplets, 2 Cast & 2 Riveted Turrets (Flyhawk Model), 1/72 – Bob Kerfonta
7. Tiger I Pz.Kpfw. VI Ausf. E Final Version (AFV Club), 1/48 – Bob Kerfonta
8. German 12.8cm Flak 40 Heavy Anti-Aircraft Gun (Model Collect), 1/72 – Bob Kerfonta
9. West German SpPz 2 Luchs (Revell Germany + MV Lenses), 1/72 – Bob Kerfonta
10. Russian Tank T-34/76 1943 Production Model (Tamiya), 1/35 – Bob Kerfonta
11. Eurofighter Typhoon Single Seater (Revell Germany), 1/48 – Michael Child
12. Eurofighter Typhoon Twin Seater (Revell Germany), 1/48 – Michael Child
13. Vietnam War Era M114A1 155mm Howitzers, FSB Ripcord [Club Build] (Toxso Model + resin casting), 1/72 – Carl Wethington
14. Warhammer 40k Dark Imperium Death Guard – Pox Walkers (Games Workshops), 28mm – Kevin Cook
15. Warhammer 40k Dark Imperium Death Guard Plague Marines (Games Workshops), 28mm – Kevin Cook

Raffle: Bronco's 1/35 scale "*Panzerjaeger II fuer 7.62 cm PaK 36 (Sd.Kfz. 132) Marder II D*", kit #CB35097, won by Bryan Moeller.

Panzerjaeger II fuer 7.62 cm Pak 36 (Sd.Kfz.132) 'Marder II D'



BRONCO

Bronco Models

CB35097



CAUTION

Note

*Detailed scale model for adult collector, not a toy.
*For modeler ages 14 and over.
*This box contains parts to make one model kit.
*Contains functional sharp edges and points.
*Actual model may vary from image on box.
*The figure not included

1/35 SCALE

Sd.Kfz.132 “貂鼠” II D型反坦克自走炮