

REMINDERS:

MEMBERSHIP MEETINGS: next in October 9:00AM 2nd Saturday of the month.

Board Meetings: 1st Thursday of the month.

NEWSLETTER POLICY submit corrections, articles & photos to the editor before the 1st Thursday of month to clubs email (All articles, pictures, subjects, and content are reviewed by the board members before publishing.) **Doooo IT !!**

FIELD REMINDER:

Members using the oval and/or short course tracks, TURN off the water before you leave!!

First one in opens both gates !!!

LAST ONE OUT CLOSSES AND LOCKS GATES

DESERT HAWKS RC CLUB INC.

Academy of Model Aeronautics CHARTER #1545

PO Box 1463 LHC AZ 86405-0742

Email info@deserthawksrc.club

<https://deserthawksrc.club/>

Club Officers

Board of Directors

President: VACANT

Vice President: Rob Rinde 928-855-8782

Secretary: Mike Lacasse: 206-870-5488

Treasurer: John Orrell 970-734-7755

Safety Officer: Jerry Morris 928-846-1088

Member At Large: Bill Roberds 360-460-1014

Committee Chairs

Flight Instructor: Larry Salsberry 928-505-2193

Field Marshal: Bill McMilon 928-727-5166

Helicopter Area Director: Brian Fernandes 928-706-6085

Membership: Carol Rinde 928-855-8782

Newsletter Editor: Mike Lacasse 206-870-5488

Race Director: Jeremiah Martinez 928-897-4249

Racetrack Chairman: Rob Rinde 928-855-8782

Webmaster/IT: Carol Rinde 928-855-878

Some Sad News

Vincent (Vinny) Tolomeo passed April 7, 2021 approximately 9PM. Vinny could often be seen at the field with his dog Buddy. Vinny worked on full scale secret drones for North American Aviation co. He flew full scale AC, RC AC and RC Helicopters.

Andrew Kyle (Andy) Murray, 56, passed away Sunday, May 30, 2021. He was born July 12, 1964 in Fort Dodge, Iowa to William (Bill) and Esther (Knox) Murray. His many hobbies included flying, motorcycle riding, driving horses, and piloting air boats. He enjoyed wintering in Arizona where he divided his time between exploring the desert around Lake Havasu, Arizona and flying model airplanes. A condolences card was sent to his family,



Daryl Schendel Sr. 84 passed June 12 2021. He was long time club member, club treasurer and helpful volunteer. He served in Marine Corps and the Local Marine Corp League. His obituary was in the Havasu Herald June 20, 2021. Farewell to Model builder/flyer. A condolences card was sent to his family,

LEAKY MENS TOILET FIXED. *Be sure to thank Volunteer Jon Orrell .*



LEAVE IT CLEAN WHEN U LEAVE

GET YOUR RIG READY TO PULL THE
SLED

There is a new recreational feature for the competition or fun minded RC enthusiasts. Yup it's the Tractor – Semi or any other rig SLED PULL. Red Nose Rudolf pulled a Sleigh and you may have ridden in a Sledge or snow sled, but this SLED Track is an entirely different animal.

Site Work began April 25, 2021

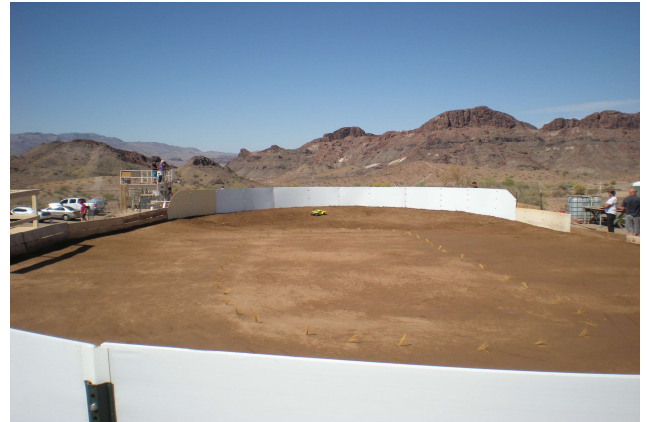
IT'S NEARLY COMPLETE



WEST OVAL TRACK SAFETY WALL COMPLETED.

On April 25, 2021 Several club members got together to complete the safety wall. There were fresh donuts and as one member exclaimed "this is the best Old Fashion I've ever had!"

You never know what you'll get when volunteering. You might even get to work those Old Fashion Muscles.



So you want to complain?? BETTER yet, you have an idea to improve the facility, or changes to the facility or anything else in mind that would address an idea or issue. The process is not just throwing it over the fence at the Leadership. The Board of Directors and Committee Chairs are not forced labor, although they are often seen working at projects. We have over 200 members, able bodied members, VOLUNTEERS are the key to success!!

TAKE ACTION, write it down, calculate the what where when who and why. Until the club documentation is updated to formalize the process, take time to identify the idea, the condition needing repair, change proposed, or situation needing resolution based on facts. Identify a requirement based upon our By-Laws, popular consensus, other documentation as needed.

IDENTIFY the solution. Suggested details should include some idea of cost, recommended start and end dates, materials list, committed volunteers, equipment required, Etc.. Talk about it with other club members for information concerning an idea, you'll find we have a diverse collection of skill sets and the capacity to pull it off. It does not have to be a mega project proposal but enough detail should be included that the leadership can understand the proposal and approve it or request further data.

DO IT early so it can be added to next year's budget or funded in the present if there's enough money in our coffers. It could take a few years to build a dedicated savings account for a specific project proposed. Other issues may have little financial impact but require a helping hand.

FORMAT should be legible and as logical as possible. During deliberations, attack the issue and not the persons making suggestions. Being inclusive will result in better outcomes and spare feelings.

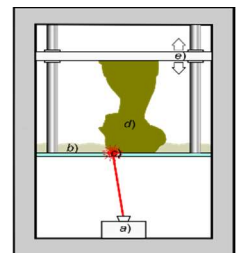
SUBMIT your package digitally as an attachment to our clubs email info@deserthawksrc.club . If you need help doing this, approach one of the club officers for assistance. Digitally submitted material is easily recorded on our Clubs Action List for tracking, disposition and completion. Yeah, it can be submitted on paper, some of us remember paper processes and even carbon paper.

THIS IS NOT the process for an EVENT REQUEST. That form is on our web site in the members area.

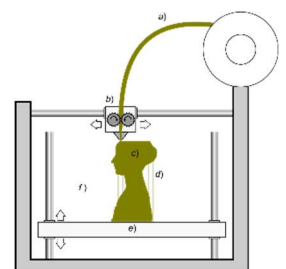
3D PRINTING - IS THAT SOMETHING OF VALUE FOR CLUB MEMBERS???

ABSOLUTELY is the simple answer. In this not all inclusive article of 3D Printing, a few examples are shown of how 3D printing can produce from simple to complex parts for modeling and more. 3D printers come in a variety of configurations and prices to match. Two popular types of 3D printers commonly used by hobbyists are;

SLA or SL (Stereolithography); A process that uses a light-emitting device a) (laser or DLP) which selectively illuminates the transparent bottom c) of a tank b) filled with a liquid photo-polymerizing resin; the solidified resin d) is progressively dragged up by a lifting platform e). The advantage is speed, finer finishes and high accuracy. I first encountered this process when it was still a secret process and was used to fabricate an entire cruise missile structure pattern from which a mold was made. The resin was melted out of the mold and a metal was poured into the mold. This process resulted in shorter fabrication times and lower costs.

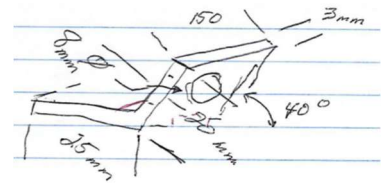


FDM (Fused Deposition Modeling); Also known as Fused Filament Fabrication This printer uses a filament a) of plastic material fed through a heated moving head b) that melts and extrudes it depositing it, layer after layer, in the desired shape c). A moving platform e) lowers after each layer is deposited. For this kind of technology additional vertical support structures d) are needed to sustain overhanging parts. There are several different materials (PLA & ABS) and colors of filament available, just make sure they are compatible with your printer.

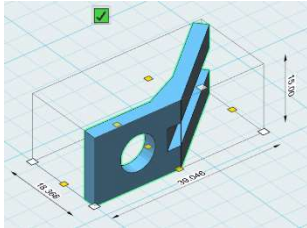


Enough techno babble. The following examples were made using a \$200.00 FDM Creality Ender 3 printer. It was easy to assemble and it was printing in no time. There are numerous websites that have files for most any project or you can design and fabricate your own project.

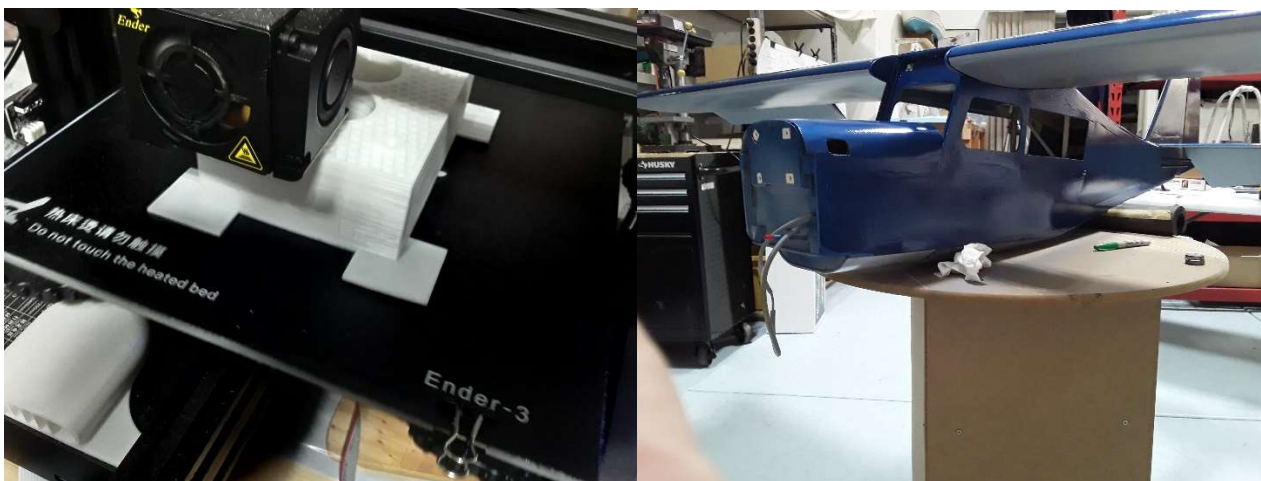
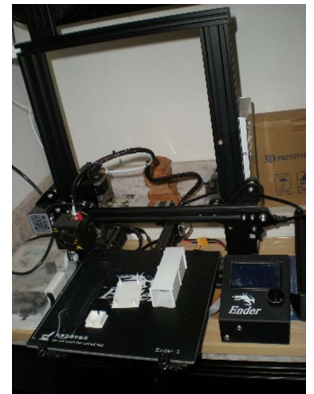
Doing your own part typically starts with a sketch. I needed a bracket to hold the indicator light for an AC ignition system on my Super Decathlon. Easy !



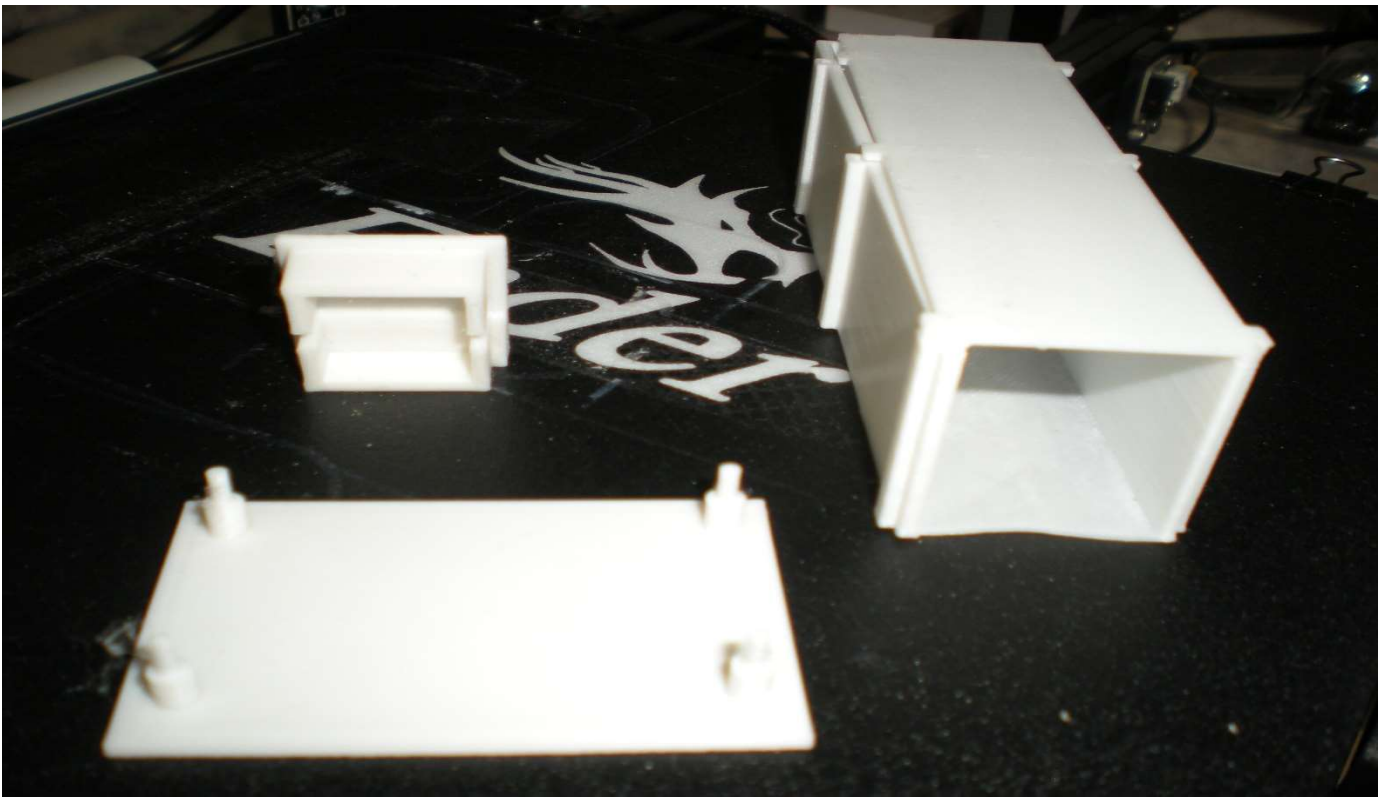
Next transfer the sketched design into a CAD (Computer Aided Design) program. I used 123D Design available online for free, including good enough online instructions. There are many simple CAD programs to choose from on the internet for free or at low to large software costs. Using simple shapes like boxes, cylinders and wedges added, deleted and dimensioned to the shape and size of the sketched parts, a bracket emerges. It takes a bit of learning but after a few hours, many possibilities grab the imagination as to parts buildable that were not previously available to modelers or at the store.



The design file was transferred to the printer using a mini memory card. Printing it on the Ender 3, using a filament called PLA, the process only took about 19 minutes. The left photo shows the bracket installed with Velcro on the dash board for easy visibility during the DLE40 twin cylinder engine operation.



The piece printing is a spacer to extend the firewall of the Super Decathlon with holes matching the firewall mounting holes and larger holes to accommodate weights for final CG balance. This took 20+ hours to print and was designed on 123D Design. The other white piece in lower left corner is a shroud for a cooling fan on the printer electronics, It was downloaded from an online Creality group.



A foot for the bottom of a dining room chair, (can't find that at Lowes) a two part battery box and a circuit board holder.



This figure was download from a website called Thingiverse.com.



These guys were also downloaded from the internet. They take paint well and are painted using Testors model paint. The pilot figure was donated by one of our own club fliers (Jim M.) as printed and was painted by Lonna C. as were all the figurines.

Ask around our facility and you'll find a number of our members do 3D and like to discuss their equipment and things they printed.

