ORIGINAL 3D DESIGN & PRINTING STEM

Original three-dimensional designs created by the exhibitor using 3D modeling software and produced with a 3D printer. The design itself—not only the printing—must be the exhibitor's work.

ENTRY AT A GLANCE	AWARDS & JUDGING
$1 per entry. Entry deadline: Monday, January 18, 2027 by 11:30 p.m. Receiving: Thursday, February 4 • 10:00 a.m.–6:00 p.m. Closed judging: Saturday, February 6 • 10:00 a.m. Pickup: Tuesday, March 2 • 10:00 a.m.–6:00 p.m.	1st Place: $25 and ribbon. 2nd Place: $15 and ribbon. 3rd Place: $10 and ribbon. Honorable Mention: ribbon. Danish System of Judging.

ELIGIBILITY & ENTRY REQUIREMENTS

- The exhibitor must create the original 3D model/design file.
- Downloading and printing a premade model does not qualify. Remixing another creator's model is not eligible unless a class specifically permits it.
- Entries may be printed at home, school, a library, makerspace or commercial print service; judging is based on the exhibitor's design and finished entry, not ownership of the printer.
- A brief design card must identify the modeling software used, the purpose or inspiration of the design and whether anyone assisted with printing.
- The exhibitor must retain the original editable design file through the end of the Fair.
- Purchased hardware or nonprinted components may be incorporated when necessary to make the exhibitor-designed project function; identify them on the design card.
- Entries must be clean, stable, free of sharp hazards and suitable for handling and display.
- Maximum size is 18 × 18 × 18 inches unless advance approval is obtained for a larger entry.
- Generative AI may not create the submitted 3D model in this category.

DIVISIONS

416 — Elementary School (Grades K–5) • 417 — Middle School (Grades 6–8) • 418 — High School (Grades 9–12)

Class	Entry
1	Original Functional Design
2	Original Sculpture / Decorative Design
3	Original Character / Model
4	Other Original 3D Design & Printing

JUDGING CRITERIA

Criterion	Weight
Original design & creativity	35%
Technical execution / print quality	30%
Function, complexity or design solution	25%
Presentation & design documentation	10%