

SkillsUSA Architectural Drafting - Contest Update March 26, 2024

SCHEDULE (SUBJECT TO CHANGE):

Start of Competition – 8:00 am

Task 1 – Site Plan – Complete by 9:30 am

Task 2 – Sketches – Complete by 12:00 pm

Task 3 – CAD Drawings – Complete by 1:30 pm

Conclusion of Competition: 1:30 pm

TOOL LIST:

Bottled water, if necessary

Tracing or sketch paper

Drafting tape or dots

Pencils

Scales (architectural & engineering)

Laptop with your preferred CAD program. Students are always allowed to bring their own computers. (Software already available on school computers in the competition lab will be shared when available).

CONTEST TIPS:

Task 1 - Site planning design sketch & questions.

Task 2 - Building design sketches & explanation of design intent.

Task 3 - CAD drafting of the design & questions.

Grading approach: total of 1,000 points weighted as follows:

- 200 points for the sketches.
- 100 points for answers to questions regarding the design.
- 350 points for the overall design of building & design intent.
- 350 points for CAD drawings.
- **-10 points penalty for not providing resume.**
- **-10 points penalty for not wearing the required clothing.**

Other- answer 6 questions; finish required elements at times requested for each.

- Upon completion of the competition, please clear the room for the jurors to begin reviewing student work. Students will be allowed back into the room to collect their materials once scoring is complete.
- If a student is planning to use board drafting equipment, they must bring their own drawing board, equipment, and drafting supplies.

ADDITIONAL NOTES:

Familiarize yourself with **sustainable design** in architecture (**Building & Site**). A few sources are listed below.

American Society of Landscape Architects: <https://www.asla.org/sites/>

American Institute of Architects: <https://www.aia.org/resource-center/putting-sustainability-into-practice>

Selected Building Typology for Competition: **Nature Center** with display areas, classrooms, event space, offices, and a major focus on **sustainability**. Think about ways to design for **future flooding** as well.

Selected Building Site for Competition: [2 Brighton Dam Road, Brookeville, Md. 20833](#)

