

walkSTEM® Design Frameworks

The two frameworks below are guides for designing walkSTEM® stops and a walkSTEM® tour. These stops should be grounded in a permanent location, indoors or outdoors.

A. Design a walkSTEM® Stop

Use this section to design content for a specific location at your site

Notice

Observing and discovering

- Regardless of whether the stop is familiar or unfamiliar, get comfortable and spend some time observing!
- Try to record your observations
- Try not to make assumptions about what you see

Question

Inquiring

- Draw questions from your observations. What do you wonder based on what you have observed?
- Make sure your questions are based on the specific site or object you are at, rather than a generalized version
- Don't force STEM connections
- No judgments - be open to varied questions!

Select

Evaluating your questions

- Identify the questions that:
 - connect in an interesting way to STE(A)M - including something dramatic flair or something unexpected is always a plus!
 - require the least amount of prior knowledge
 - are based on your observations
- Select one question that resonates for each walkSTEM stop

B. Design a walkSTEM® Tour

Use this section if you're creating multiple stops at your site!

Curate

Collecting and comparing your questions

- After selecting the most powerful questions for each stop, consider each question your team has selected.
 - What must the audience DO to answer these questions?
 - Do the questions span a variety of STE(A)M concepts? Even if your tour focuses on a single concept, be sure to offer a variety of approaches!
- Consider how your selected stops flow together in sequence

Design

Collaborating and producing

- Identify the format for your walkSTEM® experience, such as live-guided, app-guided, video- or audio-based, photographed, or other.
- Identify the skillsets in your team and form your plan.
- Write up some scripts or text boxes as needed.
- Lead with the specifics — the goal is to share a personalized and unique, guided tour of your tour site!
- If you'd like to share with the talkSTEM community, be sure to tag us on social media!