The overarching themes established during programming were collaboration, access, partnership and flexibility. As a result, learning studios are flexible as possible to allow for multiple teaching modalities and the ability to evolve with future unknowns.
Site Plan

1. Welcome | Reception + Entry
2. Gather | Dining + Meeting Space
3. Mingle | Student Work + Social Space
4. Think | Outdoor Lab Patios
5. Collect + Treat | Water Management
One of the challenges of building this "school within a school" is finding the balance between creating a strong sense of identity for this specialized new campus and fostering an inclusive environment where eSTEM and ERHS students alike feel welcome. This quotient shapes everything from the program, to the building and site design, to establishing site location.
Floor Plans

FIRST FLOOR PLAN
1. Administration
2. Student Union
3. Kitchen
4. Amphitheater
5. Engineering Labs
6. Health/Medical Labs
7. Maker Lab
8. Support Space

TYPICAL UPPER FLOOR PLAN
1. STEM Lab
2. CoLab
3. Spark Tank
4. Learning Studio 1
5. Learning Studio 2
6. Outdoor Lab
7. Amphitheater

Program

1200sf learning studios with movable furniture and operable partitions are flexible classrooms that enable different learning modalities. Roll-up and sliding glass doors blur lines between interior and exterior space and encourage collaboration, inquiry and creativity to happen everywhere. STEM labs are outfitted with specialized equipment and are connected to a think “Spark” Tank and CoLab which act as breakout spaces for group work and focused study.
Quality of and access to student-centered outdoor spaces is just as integral to the eSTEM curriculum as interior space, maximizing every inch of this condensed 3-acre site.
Student CoLab

The district engaged local colleges and universities, and prominent professionals in the Health/Medical and Engineering fields early on to gain a better understanding of the skills a graduating student needs in order to succeed in both higher education and work placement.
Versatile spaces give students the chance to work collaboratively and strengthen skills like communication and leadership. At the same time, access to open, student-centered spaces encourages socialization and relationship building.
The combination of numerous, dispersed, and varied learning spaces of all kinds, coupled with visibility and access, encourages learning and collaboration to happen everywhere.

**Student Union**
The combination of numerous, dispersed, and varied learning spaces of all kinds, coupled with visibility and access, encourages learning and collaboration to happen everywhere.
Outdoor Learning Spaces

While the west side of campus is designed to respect adjacent houses by providing complete visual privacy at upper floors with strategic placement of vertical louvers and clerestory windows, the site is still wonderfully active with student life.
eSTEM Identity

eSTEM Academy builds an identity for its students, embracing ideas from Health/Medical and Engineering pathways and incorporating them into building elements to inspire students in their fields, encouraging students to interact with their built environment on every level.

```javascript
if (activity == "hungry") {
    setText("mainLabel", "Go Downstairs and to the Left.");
} else if (activity == "science project") {
    setText("mainLabel", "Go Upstairs and to the Right.");
} else if (activity == "lounging") {
    setText("mainLabel", "Go Downstairs and to the Left.");
} else if (activity == "specialty lab") {
    setText("mainLabel", "Go Downstairs and to the Left.");
} else if (activity == "spark tank") {
    setText("mainLabel", "Make two Lefts, two Rights, go Upstairs and to the Right, and go Upstairs and to the Right.");
} else if (activity == "fresh air and sun") {
    setText("mainLabel", "Go to the Amphitheater, Learning Pods, or Lunch Shelter.");
} else if (activity == "learning") {
    setText("mainLabel", "Learning is Everywhere!");
}
```