

## SIPP Summer 2 Curriculum

### **Executive Summary**

Upon conclusion of the second academic semester students enter the 6-week residency program, living on campus at Vaughn. Social-emotional and life skills developed throughout the program are applied while students engage in independent living, many for the first time. This supervised living experience gives students the opportunity to live away from home in preparation for college and adult independence. While in residence at Vaughn they will draw on the entirety of knowledge and skills they have internalized throughout the year to conceptualize, design, and execute an industry relevant project galvanized by their SAIs (Special Areas of Interest). Additionally, they may use this time to attain and demonstrate competencies not yet obtained in some areas during the year.

As students move into the second summer orientation, students have built up their capabilities - mastering a variety of maker skills and developing SEL strategies. The Summer II session centers on deploying these skills for a passion project. Instead of daily SEL lesson plans, students will practice and receive support from instructors for their executive functioning skills within the passion project: managing time and resources, organizing and communicating ideas, developing and testing prototypes, and finally incorporating feedback. Students will receive support for independent living and executive functioning weekly, with support for each split evenly throughout the week. Students will check-in with their post-SIPP plan biweekly.

### **Goals**

SEL:

1. Create and implement a daily living skills system for living on campus
2. Use executive functioning strategies and systems to complete passion project
3. (If working in pairs) Collaborate with team members to complete passion project
4. Finalize a plan for next steps after SIPP

Workforce Readiness:

1. Practice job interview skills via mock interview with teammates or mentor
2. Complete and edited Resume/Work Portfolio
3. Participation in Internship/Job Fair
4. Identification of applicable professional organizations & workplace visits
5. Field trips to appropriate workplace sponsors

### **Competencies**

Meet any [competencies](#) not yet achieved

[SEL competencies](#)

Attain Solidworks certification.

### **Assessment**

Use same rubrics found at bottom of [Innovation Hub Fall and Summer](#)

**Framework/Timeline of Summer:**

<b>Week 1:</b>		
<b>Passion Project</b>	<b>Workforce Readiness</b>	<b>SEL</b>
Brainstorm/Designs <ul style="list-style-type: none"> <li>• Identify appropriate project</li> <li>• Material procurement</li> <li>• Manufacturing Approach</li> <li>• Development of Milestones</li> <li>• Development of CAD</li> </ul>	<ul style="list-style-type: none"> <li>• Discussion of internships &amp; Paths to Continuing Education</li> <li>• Academic Mentorship</li> <li>• Internship Visit</li> </ul>	<ul style="list-style-type: none"> <li>• Reflection of growth made to date</li> <li>• Individual Goal setting for summer work</li> <li>• Individual Goal setting for post SIPP</li> </ul>

<b>Week 2:</b>		
<b>Passion Project</b>	<b>Workforce Readiness</b>	<b>SEL</b>
Prototyping Iterations CAD Prototype 1st Prototype MDF & Dreams Fitment and motion 2nd Prototype Plastics, sheet metal 3rd Prototype Sensing / moving mechanism? Electronics/ Microcontroller	Work on Resume Work on Portfolio	<ul style="list-style-type: none"> <li>• Support for daily living in residency</li> <li>• Executive functioning support for Passion Project</li> </ul>

<b>Week 3:</b>		
<b>Passion Project</b>	<b>Workforce Readiness</b>	<b>SEL</b>
Prototyping Iterations CAD Prototype 1st Prototype MDF & Dreams Fitment and motion 2nd Prototype Plastics, sheet metal 3rd Prototype Sensing / moving mechanism? Electronics/ Microcontroller	Mock Interview - round 1  Identification of applicable professional organizations & workplace visits  Field trips to appropriate workplace sponsors	<ul style="list-style-type: none"> <li>• Support for daily living in residency</li> <li>• Executive functioning support for Passion Project</li> <li>• Check-in with post-SIPP plans</li> </ul>

<b>Week 4:</b>		
<b>Passion Project</b>	<b>Workforce Readiness</b>	<b>SEL</b>
Prototyping Iterations CAD Prototype 1st Prototype MDF & Dreams Fitment and motion 2nd Prototype Plastics, sheet metal 3rd Prototype Sensing / moving mechanism? Electronics/ Microcontroller	Mock Interview - round 2  Field trips to appropriate workplace sponsors	<ul style="list-style-type: none"> <li>• Support for daily living in residency</li> <li>• Executive functioning support for Passion Project</li> </ul>

<b>Week 5:</b>		
<b>Passion Project</b>	<b>Workforce Readiness</b>	<b>SEL</b>
Final Testing and Communication  Final Prototype Testing	Mock interview - round 3  Field trips to appropriate workplace sponsors	<ul style="list-style-type: none"> <li>• Support for daily living in residency</li> <li>• Executive functioning support for presenting Passion Project</li> <li>• Check-in with post-SIPP plans</li> </ul>

<b>Week 6:</b>		
<b>Passion Project</b>	<b>Workforce Readiness</b>	<b>SEL</b>
Celebration of growth / successes / Feedback on self Feedback from Peers Feedback from Instructors	Field trips to appropriate workplace sponsors	<ul style="list-style-type: none"> <li>• Final support for daily living in residency - moving out</li> <li>• Celebration of growth made in SIPP - self, classmates, instructors final feedback</li> </ul>



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Spectrum Innovates  
Spectrum Innovates Program  
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