

DIRECTOR OF MAKERSPACE EDUCATION
LOUISVILLE COLLEGIATE SCHOOL

REPORTS TO:

Dean of Faculty

OVERVIEW

LCS's Makerspace is a place for design and design thinking, where communities of new and experienced makers connect to work on real and personally meaningful projects, informed by helpful mentors and using a mix of new technologies and traditional tools.

Collegiate's director of makerspace education will work closely with faculty and staff across all three divisions to teach four classes comprising a mixture of art, science, and interdisciplinary courses. This individual will facilitate educational efforts in LCS's Makerspace and support integrating makerspace skills and design thinking principles into student learning across the school.

REQUIRED KNOWLEDGE, SKILLS, AND EXPERIENCE:

- A bachelor's degree in education or other relevant field is required; advanced degree is preferred
- Experience working with JK-12 students in project and design-oriented workspaces
- Experience organizing and facilitating a safe and productive makerspace, workshop, or similar environment with student/novice participants
- Experience in design thinking principles and project mentorship
- Experience with computer science and coding
- Understanding of the developmental needs of lower, middle, and upper school students
- Collaborative spirit in developing projects, working with volunteers, and delegating tasks
- Practice managing contracts and budgets
- Positive working relationships with colleagues, students, and families
- Understanding of independent schools preferred

ADDITIONAL RESPONSIBILITIES AS REQUIRED:

- Articulate the JK-12 Makerspace philosophy in cooperation with faculty and administration.
- Serve as a role model in all aspects of professionalism, time-sensitive deadlines, self-evaluation, scholarship, and effective pedagogy, and demonstrate an extraordinary passion and enthusiasm for the Makerspace
- Design and implement Makerspace usage policies and rules in conjunction with faculty and administration
- Develop and implement Makerspace safety policies in conjunction with the director of facilities and administration
- Develop and manage the Makerspace budget with the business office to coordinate the purchases of

tools, equipment, and supplies.

- Promote makerspace accomplishments of students and faculty and publicize within the school community
- Promote and publicize makerspace-related events to students and families
- Facilitate at least one project in the LCS Makerspace for each Lower School homeroom class
- Work with the dean of faculty and division heads to develop opportunities for makerspace integration into different curricular efforts across the campus
- Document space and equipment use in the makerspace
- Research and trends, methodology, technology, and national standards
- If needed, serve as faculty advisor to ten to fifteen middle or upper school students
- If needed, coach or lead extra-curricular activities as agreed upon with the Dean of Faculty
- Support the school, its mission, and its leadership
- Perform other duties as assigned by the Head of School

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