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# Building a research curriculum for students to learn essential research skills

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A successful research team and project require the participants to apply a diverse set of skills and habits. However, in the traditional training experience, early-career researchers typically do not learn these elements until they are already in the midst of a research activity. In collaboration with the Fermilab Quarknet high-school research internship program, a few of us developed a pilot research curriculum to help prepare the students with essential research skills. In this curriculum, we discuss how to come up with research topics, how to read scientific papers, how to approach the research process and provide training sessions for research communications. For this presentation, I will describe our goals for developing this program, and how we carried out our first pilot program this summer.

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