



1st Maker Space Student Survey Report

PROGRAM OVERVIEW

1st Maker Space has a mission to empower children to learn through *doing* by providing makerspaces and engaging hands-on curriculum to help students discover a passion for learning that lasts a lifetime. Makerspaces are spaces where students can gather to create, invent, and learn.

RESULTS

A total of **285** students filled out at least some portion of the student survey. The results section is organized into the following six subsections: General Student Information, Mindset/Hope, STEM-Related Skills, Collaboration/Problem-Solving, Self-Efficacy in Core Subjects, and Makerspace Evaluation.

GENERAL STUDENT INFORMATION

Information regarding the school students attend, what grade they are in, and how often they use the makerspace are presented in Figures 1-3 below. Detailed results for all three questions are presented in Tables 1-3 in the appendix.

Figure 1. South Adams Elementary School made up 81% of all respondents.

What school do you attend?

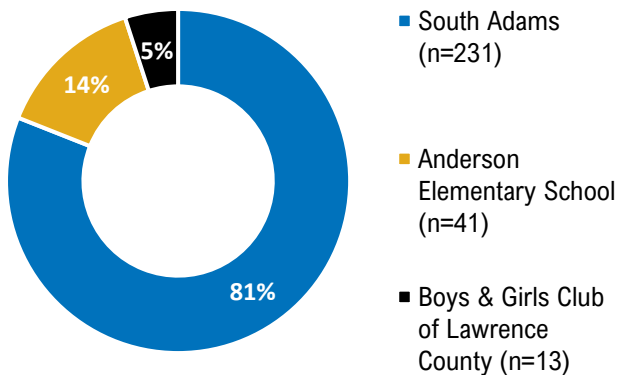
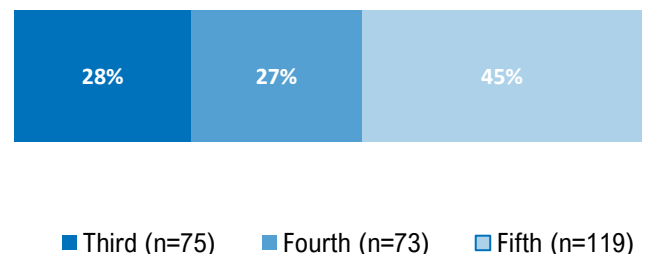


Figure 2. Fifth graders made up 45% of respondents among students from South Adams and Anderson.

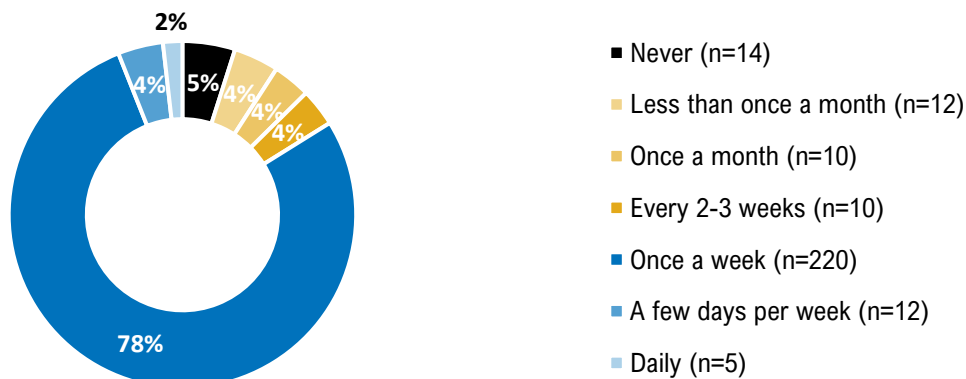
What grade are you in?

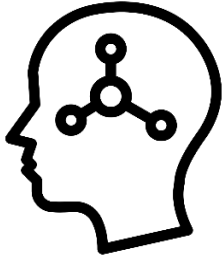


Students from BGC of Lawrence County were in grades 7-12. More details can be found in Table 2 of the appendix.

Figure 3. Over 80% of students report using the makerspace in their school at least once a week, with just 5% saying they never use the makerspace.

How often do you use the makerspace at your school?

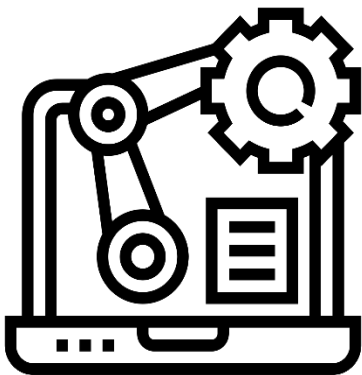




MINDSET/HOPE

Students were asked to rate their agreement with three statements related to mindset/hope. Over **three-fourths** agreed or strongly agreed that they believe they can be successful and like to learn new things. Additionally, **60%** agreed or strongly agreed they have a lot of goals for their future. The total agreement percentage for each item is presented below in Figure 4 with detailed results presented in Table 4 in the appendix.

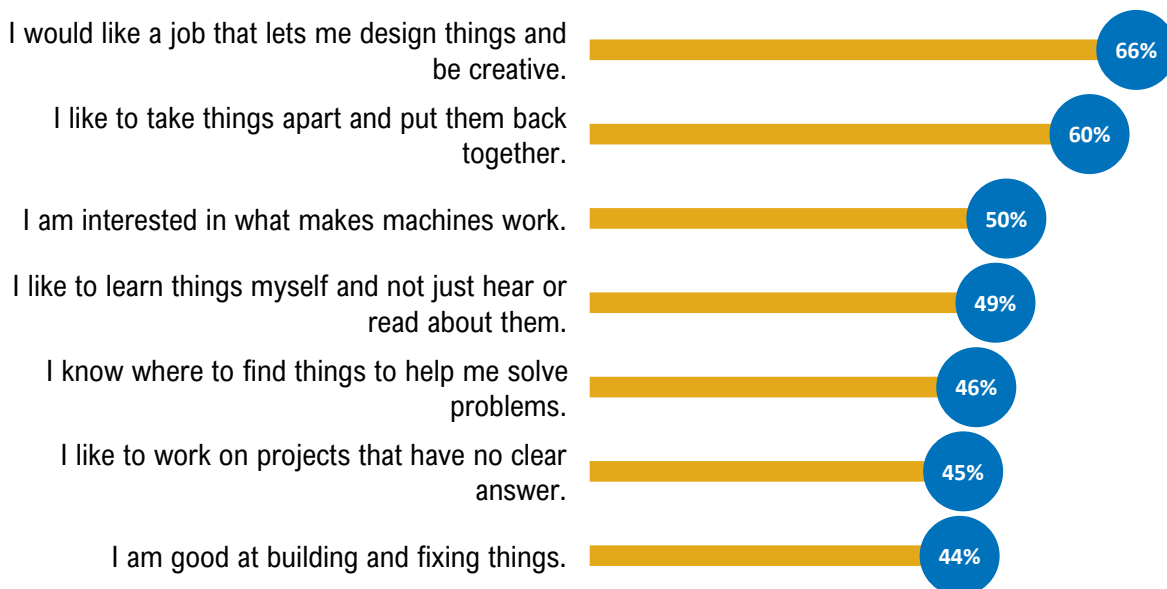
Figure 4. Mindset/Hope Statements: Total Agreement %

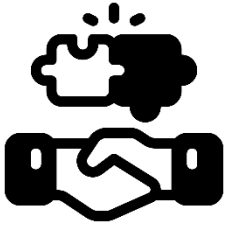


STEM-RELATED SKILLS

Students were asked to rate their agreement with seven statements regarding STEM-related skills. **Nearly two-thirds** of students agreed or strongly agreed that they would like a job that lets them design things and be creative. The item related to being good at building and fixing things had the lowest total agreement percentage at **44%**. While most statements in this section had a total agreement percentage of 50% or less, several students rated their agreement as “In the Middle.” Table 5 in the appendix details the results for each statement with the total agreement percentage for each statement presented below.

Figure 5. STEM-Related Skills Statements: Total Agreement %

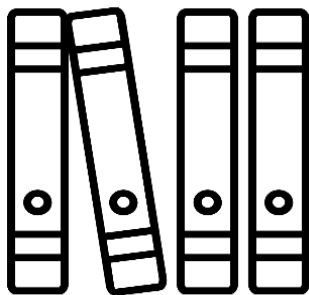
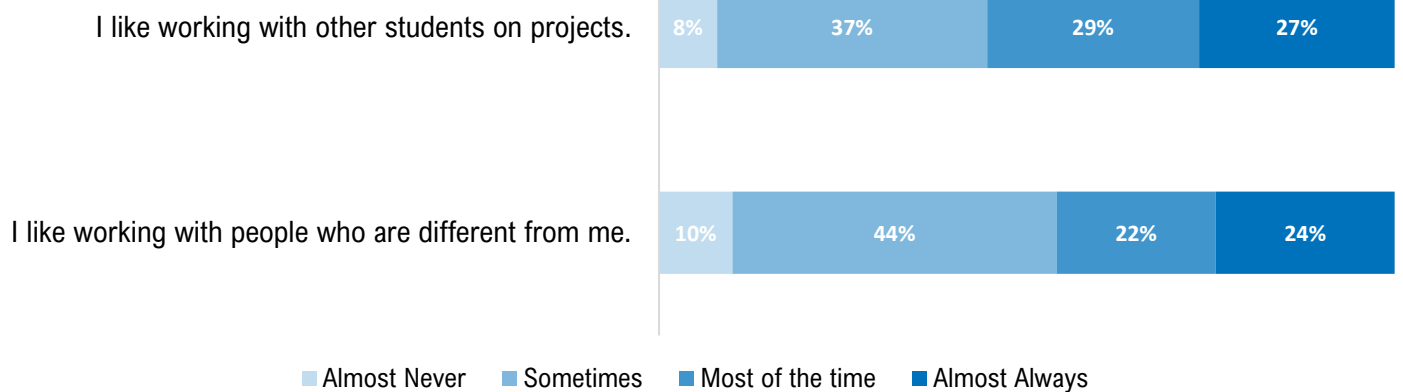




COLLABORATION

Over **90%** of students indicated that they like working with other students on projects at least sometimes, and **90%** said they like working with people who are different from them at least sometimes. Detailed results are presented below in Figure 6 and in Table 6 in the appendix.

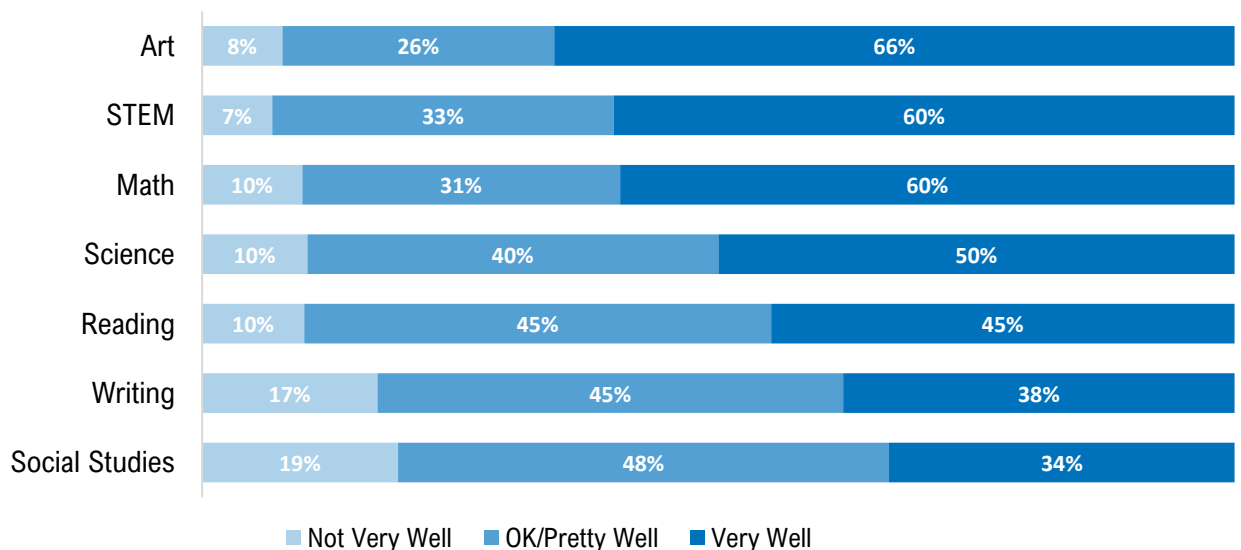
Figure 6. How often do you do the following?

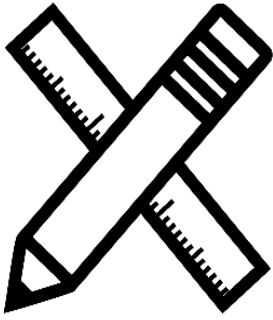


SELF-EFFICACY IN CORE SUBJECTS

Students were asked to rate how well they expect to do in seven core subjects. **Two-thirds** of students indicated they expect to do very well in art. Additionally, **60%** of students indicated they expect to do very well in math and STEM. Social studies and writing were the only two subjects where more than 10% of respondents indicated they did not expect to do very well. Detailed results are presented below in Figure 7 and in Table 7 in the appendix. Note that respondents could also select “not applicable” if they are not taking one of the classes below.

Figure 7. How well do you expect to do this year in these classes?





MAKERSPACE EVALUATION

Over **80%** of students agreed or strongly agreed that the makerspace has supplies and tools they need for their projects, and roughly three-fourths of students agreed that makerspace activities are fun. However, just **39%** agreed that they have a say in what they do in the makerspace. The total agreement percentage for each item is presented below in Figure 8 with detailed results presented in Table 8 in the appendix. Students were also asked what they like most about the makerspace at their school with several saying they enjoy building things, and being creative. Further, students were asked how the makerspace could be improved. While many students indicated nothing could make it better, a number of students commented that adding more supplies and expanding on the things they have used in the makerspace would make it better. The comments are provided in Table 8 and Table 9 in the appendix.

Figure 8. Makerspace Evaluation Statements: Total Agreement %

