Syracuse Smart Start Grant Survey Results

Limitations:

Data were collected in June at the end of the 3-module completion, in July at the end of the 3-day workshop, and in August at the end of the 4-day professional learning with externship. The data sets were not collected from the same group of participants since many teachers were added to the August data set who had not previously complete the modules or 3-day workshop.

5. How have you (as a teacher) been exposed to the Career and Technical (CTE) Pathways offered by the district? *Participant Agreement in Percentage by Session*

	Session 1: June 2021	**Session 2: July 2021**	**Session 3: August 2021**
I am unaware of course or CTE Pathway offerings available to middle and high school students.	34.5%	1.1%	8.9%
I have limited awareness of CTE Pathway offerings and can name 3-5 pathways that are available in our district.	44.0%	30.3%	20.0%
I know student(s) who have completed a career pathway in the district.	19.8%	30.3%	18.9%
I have been provided brochures or handouts with information about the district's CTE offerings.	25.9%	60.7%	72.2%
I have been guided through career pathway resources that are available.	9.5%	68.5%	68.9%
I have attended CTE showcase events as an individual or with family members.	15.5%	23.6%	26.7%
I have participated in professional learning opportunities that provided me with opportunities to collaborate with CTE Teachers.	6.0%	50.6%	74.4%
I have partnered with at least one CTE Teacher	1.7%	7.9%	21.1%

to discuss activities for my classroom.			
I have scheduled and facilitated CTE related field trips, including those that were used to expose my students to CTE pathway offerings.	3.4%	3.4%	8.9%

6. Designate your level of familiarity with the following high school CTE Pathways (Traditional). *Average Response by Session (3-point scale; 1 = No/limited awareness, 3 = Fully aware)*

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
Barbering	1.4	1.8	1.8
Construction Technology	1.3	1.8	1.8
Cosmetology	1.6	1.8	1.8
Culinary Arts	1.5	1.8	1.8
Electrical Trades	1.4	1.8	2.0
EMT	1.4	1.8	1.9
Fire Rescue	1.4	1.8	1.9
Law Enforcement	1.4	1.8	1.9
Media Communications	1.3	1.8	1.9
Natural Resources	1.2	1.8	1.8
Urban Teaching Preparation	1.4	1.9	1.9
Welding	1.3	1.8	2.0

7. Designate your level of familiarity with the following high school CTE Pathways (Priority STEM Pathways). *Average Response by Session (3-point scale; 1 = No/limited awareness, 3 = Fully aware)*

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
Automotive Technology	1.4	1.8	2.2
Business Technology	1.3	1.8	1.9
Electrical Technology	1.3	1.8	2.1
Mechanical Technology	1.3	1.8	2.1
Surgical Technology	1.2	1.7	1.8
Computer Forensics	1.3	1.8	1.9
Cybersecurity	1.3	1.8	2.0
Forensic Science	1.3	1.8	1.9
Geospatial Technology	1.2	1.9	2.2
Computer Information Systems	1.3	1.8	2.0
Remotely Piloted Aircraft Systems	1.2	1.8	2.3
Biotechnology	1.2	1.7	1.9
Health Professions	1.4	1.8	2.0
Medical Assisting	1.3	1.8	2.0
Clinical Laboratory Technology	1.2	1.8	2.1
Health Information Technology	1.2	1.8	2.0

8. How often do you have opportunities to collaborate with the following? *Average Response by Session (4-point scale; 1 = Never/limited, 3 = Weekly)*

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
Other teachers within your grade-level	3.5	3.4	3.2
Other teachers within your school/building	3.2	3.0	2.9
Grade level teams of teachers across the district	2.5	2.5	2.3
Vertical teams of teachers (to work on grade level expectations and alignment)	2.1	2.0	2.0
Teachers from feeder pattern elementary sites (to support student transitions)	1.2	1.3	1.5
Teachers from feeder pattern middle school sites (to support student transitions)	1.2	1.3	1.5
Teachers from feeder pattern high schools (to support course and program awareness)	1.1	1.3	1.5

9. How frequently does your school host the following career awareness or development events? *Average Response by Session (4-point scale; 1 = Not addressed, 3 = Weekly)*

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
Career day events where local business leaders have an opportunity to interact with students and/or parents	1.3	1.5	1.7
Career focused field trips where students explore a variety of careers within a visited workplace (e.g. touring the sections of a hospital to identify different career opportunities)	1.4	1.5	1.8
Tours of middle schools, high schools or P-Tech Campuses to learn about available courses	1.5	1.5	1.7
School wide events that showcase career focused guest speakers	1.5	1.5	1.8
School-based outreach activities with local agencies or businesses (e.g., financial activity with local bank representative, nutrition activity with a representative f rom the health department, etc.)	1.4	1.5	1.8
Related school-based clubs (or organized activities) that expose students to careers (e.g., Girls in STEM, Recycling Club, etc.)	1.6	1.8	1.9

10. How frequently do you discuss the following with students in your classroom?
Average Response by Session (4-point scale; 1 = Not addressed, 3 = Weekly)

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
Available jobs/careers in your town or region	2.1	2.2	2.4
Their career goals or aspirations	2.6	2.5	2.8
Course offerings at the middle or high school levels	2.0	2.0	2.2
Workplace expectations (e.g. job duties, tasks; products, etc.)	2.3	2.4	2.7

11. Think about the opportunities that you provide to students, specifically in your classrooms. How frequently do your students have the following opportunities to interact with pathway leaders? *Average Response by Session (4-point scale; 1 = Not addressed, 3 = Weekly)*

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
District CTE teachers, either in person or using virtual tools	1.2	1.4	1.6
District CTE students, either in person or using virtual tools	1.2	1.3	1.6
Business and industry representatives serving as guest speakers	1.3	1.4	1.7
Business and industry representatives through in person or virtual field trips to local workplaces	1.3	1.4	1.6
Business and industry representatives through job shadowing activities	1.2	1.3	1.6
Career focused interviews of family, friends or community members	1.3	1.4	1.7
Classroom-based outreach activities with local agencies or businesses (e.g., financial activity with local bank representative, nutrition activity with a representative from the health department, etc.)	1.3	1.5	1.7
Classroom projects or structured assignments that highlight careers, using job titles and duties to set the context of learning	1.6	1.9	1.9

12. How often do you design lessons that have natural connections to careers?
Mean Average Response by Session (4-point scale; 1 = Not addressed, 3 = Weekly)

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
I support students to read/review brochures, articles or texts that are related to a specific career field.	1.8	2.0	2.2
I assign students real-world problems that require them to apply math skills/concepts.	2.4	2.5	2.8
I assign students with non-routine math problems that require them to problem solve.	2.0	2.4	2.6
I create assignments that showcase how math is used in the workplace	1.9	1.9	2.3
I create assignments that showcase how communication is used in the workplace.	2.1	2.4	2.6
I create assignments that showcase how science is used in the workplace.	1.8	1.9	2.3
I create assignments that showcase how technology is used in the workplace.	2.0	2.1	2.4
I provide students with communication samples (emails, newsletters, updates, etc.) from business partners that communicate workplace language.	1.6	1.7	2.2
I develop opportunities for students to present to authentic audiences.	1.7	2.0	2.4
I ask students to do background research for a problem or project before developing a plan or solution.	1.7	2.1	2.4

I provide opportunities for students to engage with local experts within formal projects or thematic units.	1.4	1.6	1.9

13. How have you been supported to incorporate the Career Ready Practices into your existing curriculum? *Participant Agreement in Percentage by Session*

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
I have had no previous exposure to the Career Ready Practices.	75%	24.4%	15.7%
I have participated in limited training that was intended to expose me to the Career Ready Practices (less than the equivalent of one day of professional learning).	21.6%	40.2%	28.1%
I have participated in a series of professional learning events to build my understanding and use of the Career Ready Practices.	5.2%	51.2%	57.3%
I have had opportunities to collaborate with other teachers to identify how to incorporate the Career Ready Practices in my classroom in a meaningful way.	0.9%	35.4%	47.2%
I have been supported to create projects, lessons, activities or classroom routines that highlight the Career Ready Practices.	2.6%	18.3%	34.8%

14. How often do you design and implement classroom activities, lessons or projects that support the Career Ready Practices listed below? *Average Response by Session (4-point scale; 1 = Not addressed, 3 = Weekly)*

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
Supporting students to act as a responsible contributing citizen and employee.	2.8	3.0	3.2
Apply appropriate academic and technical skills	2.8	3.0	3.2
Attend to personal health and financial wellbeing.	2.2	2.4	2.8
Communicate clearly and effectively with a reason.	3.1	3.2	3.4
Consider the environmental, social and economic impacts of decisions	2.5	2.7	3.1
Demonstrate creativity and innovation.	2.9	3.1	3.3
Employ valid and reliable research strategies.	2.3	2.5	2.9
Utilize critical thinking to make sense of problems and persevere in solving them.	2.9	3.0	3.3
Model integrity, ethical leadership and effective management.	2.9	3.0	3.3
Plan education and career paths aligned to personal goals.	2.1	2.0	2.6
Use technology to enhance productivity	2.8	3.0	3.0
Work productively in teams while using cultural global competence.	2.4	2.5	3.1

15. Designate your level of familiarity with the NY State Computer Science and Digital Fluency Learning Standards. *Average Response by Session (4-point scale; 1 = Not familiar, 3 = Very familiar)*

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
Impacts of Computing	1.3	2.5	2.6
Computational Thinking	1.4	2.5	2.7
Networks and Systems Design	1.3	2.4	2.6
Cybersecurity	1.3	2.4	2.6
Digital Literacy	1.6	2.7	2.7

16. How often do the following statements about computer science and digital fluency learning standards occur in your classroom? *Average Response by Session (4-point scale; 1 = Not addressed, 3 = Weekly)*

	Session 1: June 2021	Session 2: July 2021	Session 3: August 2021
I provide opportunities for my students to learn and reflect upon the impacts of computing…	1.6	2.1	2.4
I provide opportunities for my students to determine how problems can be solved using available technology.	1.6	2.1	2.5
I support my students to build an understanding of networks and systems design…	1.3	1.7	2.2
I support my students to understand how to protect their personal data…	1.4	1.9	2.4
I provide opportunities for my students to build digital literacy skills…	1.8	2.4	2.6