Indiana Department of Education
Dr. Katie Jenner, Secretary of Education

To: Honorable Eric J. Holcomb, Governor of Indiana
Dr. Katie Jenner, Secretary of Education

From: Dana Calfee, STEM and Computer Science Specialist
Jake Koressel, Assistant Director of STEM and Computer Science

Date: July 15, 2022

Subject: IC 20-20-45 Next Level Computer Science Program Biannual Report

Background

IC 20-20-45 established the Next Level Computer Science (CS) Grant Program and Computer Science Fund to award grants, after June 30, 2019, to eligible entities. The program and fund were established for eligible entities to implement teacher professional development programs for teaching computer science. This requires the Indiana Department of Education (IDOE) to:

1. Administer the program and fund; and
2. Develop, in consultation with the Governor's Office, guidelines to award grants from the fund to eligible entities.

Additionally, IC 20-20-45 requires IDOE to biannually submit a progress report to the Governor regarding the:

1. Development and administration of the program and fund; and
2. Status of public schools in meeting computer science curriculum requirements. This biannual report must be submitted by July 15, 2018 and not later than July 15 and January 15 each year thereafter.

Development and Administration of the Program and Fund

Timeline*

- January 2021
    - IDOE renews professional development contracts with the following five vendor partners:
        - CodeHS;
        - Indiana University School of Informatics and Computing at IUPUI;
        - IndianaComputes!;

        - Nextech; and
        - Project Lead The Way.

- February 2021
    - IDOE refines the Tech Plan Survey questions for computer science educators to optimize the collection of kindergarten through grade eight computer science implementation data and information related to accessibility barriers.

- March 2021
    - New Career and Technical Education (CTE) computer science course codes and competencies are released.

- April 2021
    - Indiana's biennial budget is finalized for FY 2022-2023, including $3 million annually for the Next Level Computer Science Grant Program.

- May 2021
    - IDOE and the Governor's Workforce Cabinet begin collaborating to develop an exploratory computer science program of study.

- June 2021
    - IDOE makes a "Data Science 4 Everyone Commitment" to explore the inclusion of data science in computer science courses, mathematics courses, and/or other academic pathways for students in kindergarten through grade 12.

- July 2021
    - IDOE sponsors numerous week-long professional development programs for computer science teachers of all grade levels.

- August 2021
    - IDOE attends CS State Supervisors Workshop to share and learn about successes, challenges, and best practices for implementing computer science education.

- September 2021
    - IDOE convenes educator committees to begin revisions of kindergarten through grade eight Indiana Academic Standards for Computer Science.

- October 2021
    - 2022-2023 Course Titles and Descriptions are released with information regarding new computer science course options and programs of study.

- November 2021
    - IDOE attends CSEdCon International Computer Science Conference to strategically plan opportunities for Indiana's Computer Science educators and identify additional implementation resources.

- December 2021
    - The Indiana Learning Partnership focuses on computer science and CSEdWeek.
    - IDOE partners with Nextech to recognize winners of the Nextech CSforGood Competition at the Statehouse.
    - IDOE delivers the IC 20-30-5-23 report to the Governor's Office, Indiana General Assembly, Indiana Commission for Higher Education, and State Board of Education.

- January 2022
    - Indiana commits to participating in a multi-state Data Science Steering Committee.

- February 2022
    - IDOE provides support to schools who are in the initial stages of computer science implementation.

- March 2022
    - IDOE collaborates with the Governor's Workforce Cabinet to finalize a Next Level Program of Study in Computer Science.

- April 2022
    - IDOE extends current professional development contracts with Nextech and CodeHS to provide additional professional development in summer 2022.

- May 2022
    - IDOE attends the Expanding Computing Education Pathways Alliance meeting to develop strategies to increase access to computer science for Indiana K-12 students.

- June 2022
    - The State Board of Education approves updated K-8 Computer Science standards.
    - IDOE collaborates with Nextech and the National Computer Science Teacher Association to host Indiana CSPDWeek for Indiana K-12 educators.
    - IDOE attends the State CS Supervisors Workshop to share and learn about successes, challenges, and best practices for implementing computer science education.

*For timeline information prior to January 1, 2021, see Appendix F

Training Snapshot by Provider

Between June 1, 2018 and January 15, 2022, over 3,200 Indiana kindergarten through grade 12 educators received CS training through partnerships between IDOE and the following providers. See appendices A-E for training partner contracts.

CodeHS Computer Science Training Numbers

Workshop	Description	Total Number Trained through January 2022	Total Number Trained through July 1, 2022
New CS Teacher Workshop	Two-day workshop focused on high school teachers who will be teaching a computer science course for the first time.	21	21
Computer Science Principles Workshop	Two-day workshop focused on high school teachers who will be teaching AP Computer Science Principles or Computer Science I.	7	7
Computer Science A Workshop	Two-day workshop focused on high school teachers who will be teaching AP Computer Science A or Computer Science II.	8	8
Cybersecurity Workshop	Two-day workshop focused on high school teachers who will be teaching Computer Science III: Cybersecurity or will be integrating cybersecurity content into other courses.	10	10
Coding Bootcamp	Month-long, intensive, asynchronous session focused on building programming skills.	91	110
Introduction to CS Workshop	Two-day workshop focused on high school teachers who will be teaching Introduction to Computer Science.	10	10
Computer Science I Workshop	Two-day workshop focused on high school teachers who will be teaching Computer Science I.	4	4
Total Educators Impacted		**151**	**170**

Indiana University School of Informatics and Computing CS Training Numbers

Workshop	Description	Total Number Trained through January 2022	Total Number Trained through July 1, 2022
Computing by Design Workshop	11-day program intended to help high school teachers implement the Computing by Design (CxD) curriculum of the Informatics Diversity-Enhanced Workforce (iDEW) program.	75	75
Interdisciplinary CS Workshop	A series of workshops focused on teaching standalone and/or interdisciplinary computer science in grades six-12.	186	210
CS-Focused PBL Workshop			
Innovation Workshop			
Programming Workshop			
Total Educators Impacted		**261**	**285**

IndianaComputes! Computer Science Training Numbers

Workshop		Description	Total Number Trained through January 2022	Total Number Trained through July 1, 2022
Cohort 1	**Elementary**	Year-long program intended to build teacher CS content knowledge that culminates in a week-long curriculum development experience.	25	25
	Middle		13	13
	High		9	9
	Multi-Grade/Other		13	13
Cohort 2	**Teacher Coaches**		16	16
	Elementary		16	16
	Middle		13	13
	High		4	4
Total Educators Impacted			**109**	**109**

Nextech Contract #2 - Computer Science Training Numbers

Workshop	Description	Total Number Trained through January 2022	Total Number Trained through July 1, 2022
CS Principles	Nine-day professional development experience for high school teachers including five-day, intensive training in the summer followed by quarterly Saturday workshops during the school year.	51	66
CS Principles Refresher	Two-day workshop for those who have participated in an initial CSP training but want to learn about changes to the course and associated exam.	20	20
CS Discoveries	Nine-day professional development experience for middle and high school teachers including five-day, intensive training in the summer followed by quarterly Saturday workshops during the school year.	101	124
Integrating CS in Middle School	One- or two-day workshop for middle school teachers.	107	120
Elementary Workshops	One- or two-day workshop for elementary teachers.	806	824
SCRIPT (districts)	One- or two-day workshop for district teams.	49	49
Cybersecurity Workshop	Three-day cybersecurity training for high school teachers.	23	23
CSA	Five-day intensive Java training for high school teachers.	34	60
WeTeach_CS Licensure Prep	Five-day preparation course for teachers seeking the CS license addition.	57	78
Pre-K Computer Science Workshop	One day workshop introducing pre-K educators how to engage pre-K students in computer science activities that build as students move on to grades K-8	-	20
K-5 Hands-On	Five-day intensive hands-on experience where educators could choose from a menu of	-	82

	professional development options based on implementation strategy and grade level.		
Topics in CS	Five-day intensive professional development to provide training for NLPS 7351 Topics in Computer Science	-	19
Total Educators Impacted		**1248**	1416

As a result of an amendment to Nextech Contract #2, Nextech is participating in 2022 Summer of Learning conferences, as well as developing and curating English language learner and special education computer science resource hubs in the Indiana Learning Lab.

Project Lead The Way Computer Science Training Numbers

Workshop	Description	Total Number Trained through January 2022	Total Number Trained through July 1, 2022
Computer Science for Innovators and Makers	Five-day training for middle school teachers teaching a computer science course.	63	63
App Creators		46	46
Computer Science Essentials	Up-to 10-day training for high schools teaching introductory computer science.	21	21
Computer Science Principles	Up-to 10-day training for high schools teaching AP CS Principles or Computer Science I.	25	25
Computer Science A	Up-to 10-day training for high schools teaching AP CS A or Computer Science II.	13	13
Cybersecurity	Up-to 10-day training for high schools teaching Computer Science III: Cybersecurity.	25	25
Total Educators Impacted		**193**	**193**

Status of Public Schools in Meeting Computer Science Curriculum Requirements

Kindergarten through Grade Eight

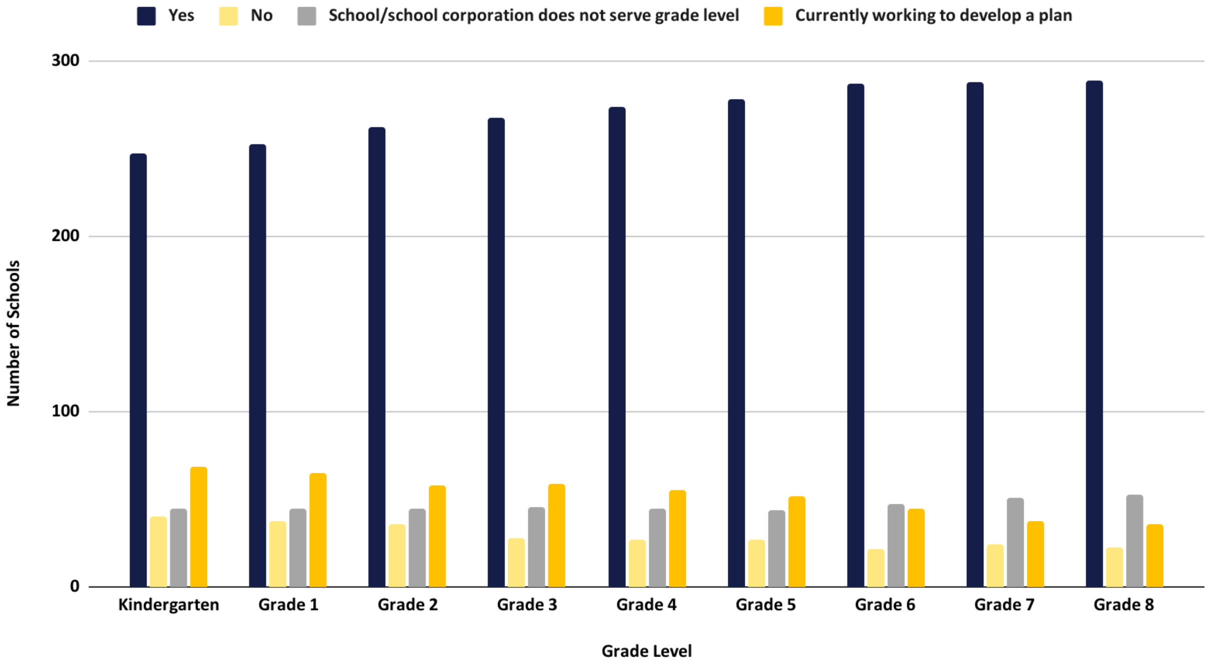
Prior to the enactment of SEA 172 (2018), there was limited availability of computer science-specific data for kindergarten through grade eight. IDOE has identified the following as currently-available indicators of progress at these grade levels.

Relevant Elementary and Middle School Student Enrollment Trends

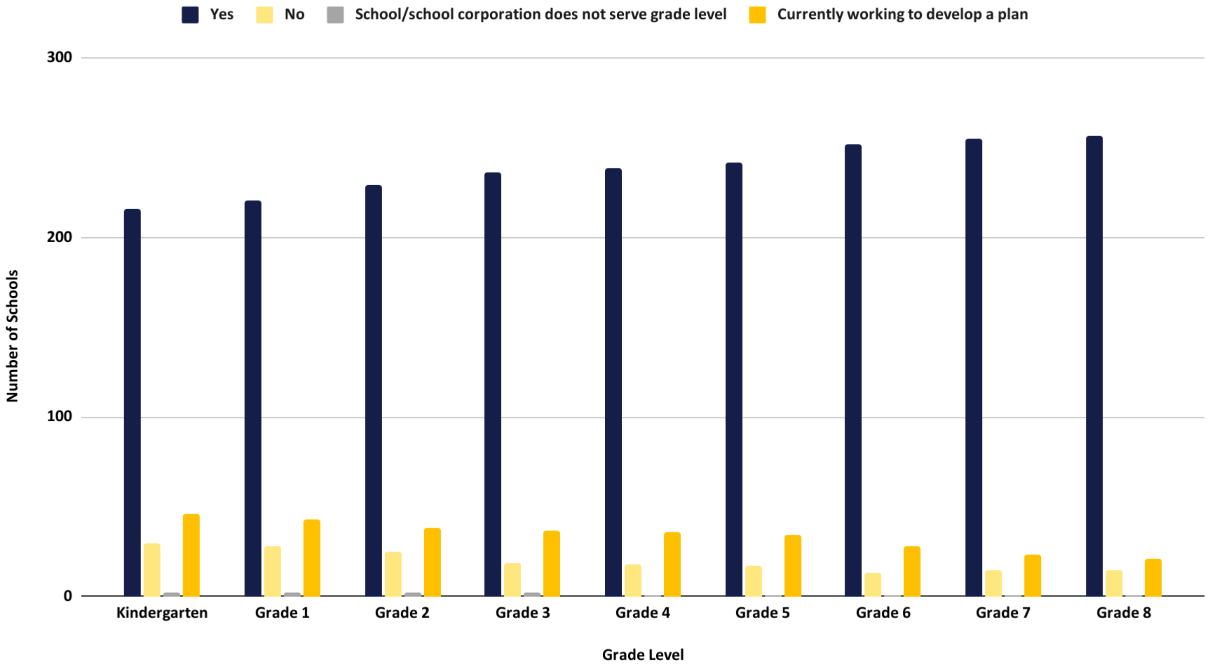
Course	Year				
	2016 - 2017	2017 - 2018	2018 - 2019	2019 - 2020	2020 - 2021
0488.K2 Computer Science ***(kindergarten through grade two)***	-	-	-	-	8338
0488.35 Computer Science ***(grades three through five)***	-	-	-	-	12740
0488.68 Computer Science ***(grades six through eight)***	-	-	-	8714	11488
4803 Introduction to CS ***(early high school)***	21	80	250	1084	366

Additionally, IDOE included kindergarten through grade eight CS-related questions in the annual Tech Plan Survey for educators in spring 2022. Visual representations of the results are located on the following pages. Updated course completion data for the 2021-2022 school year will be available in July 2022.

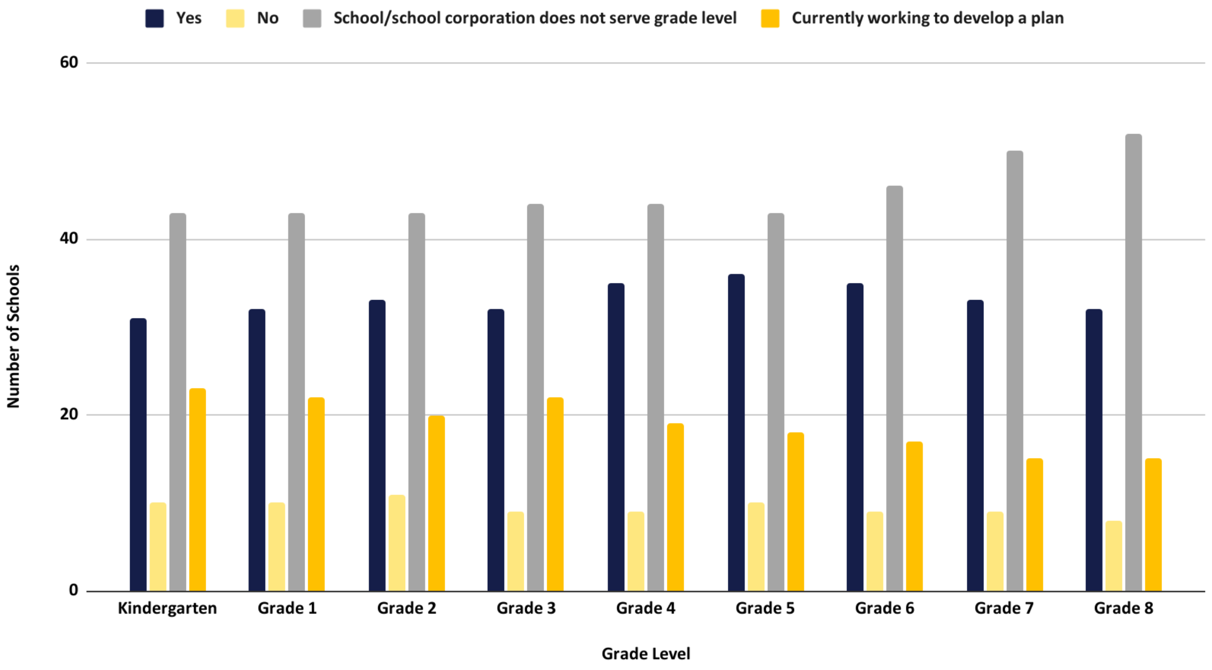
Do your students receive standards-based CS instruction? (Traditional Public and Charter)



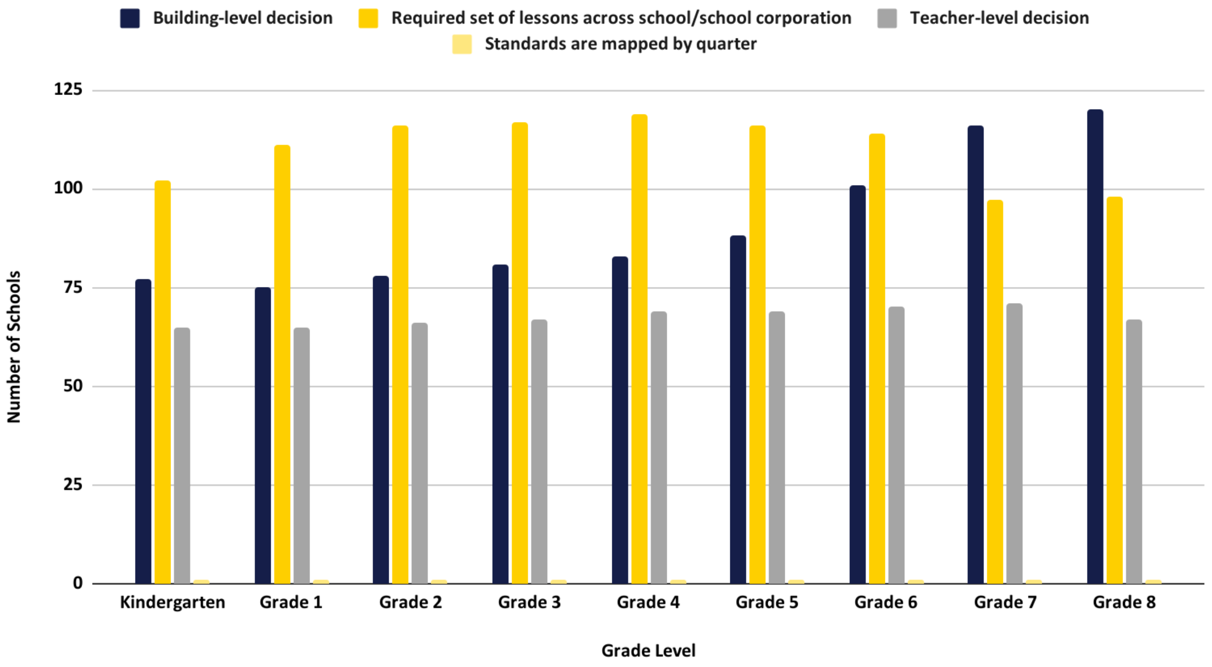
Do your students receive standards-based CS instruction? (Traditional Public Only)

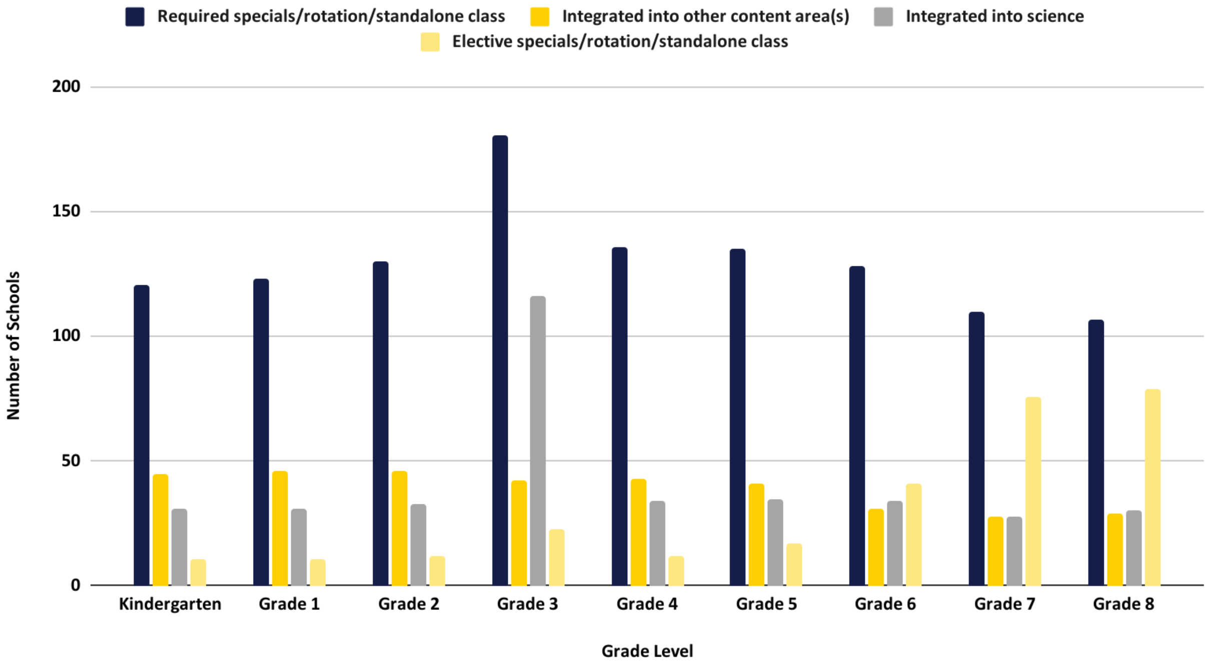


Do your students receive standards-based CS instruction? (Charter Only)

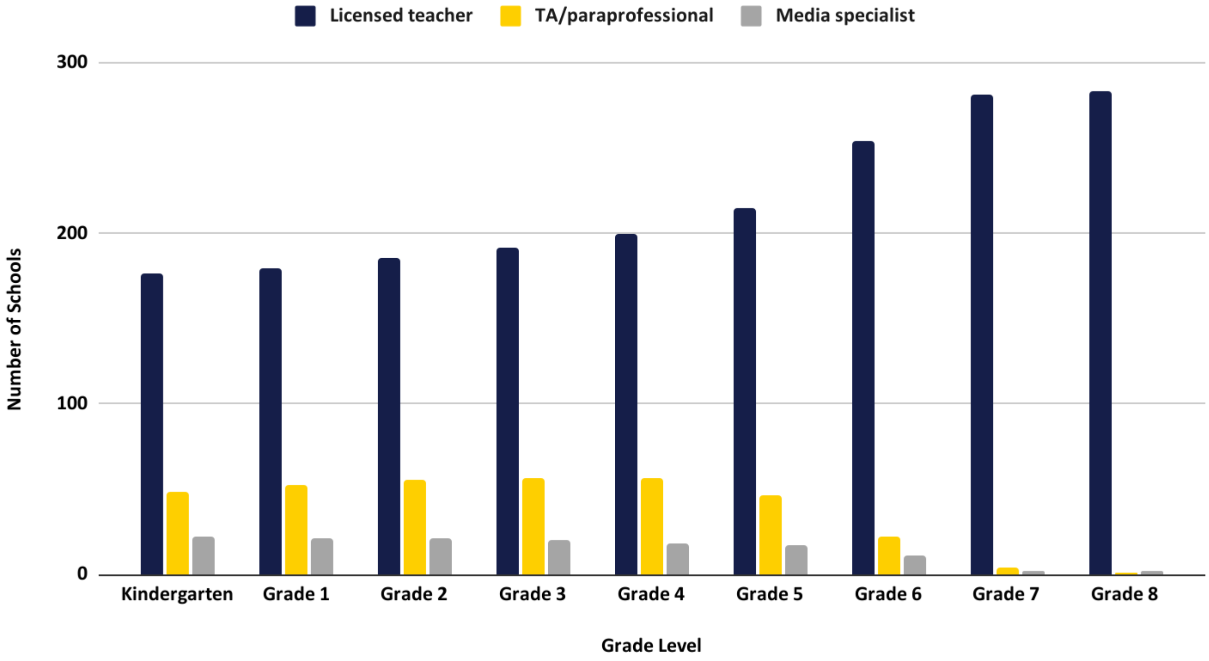


Implementation Strategy (Traditional Public and Charter)



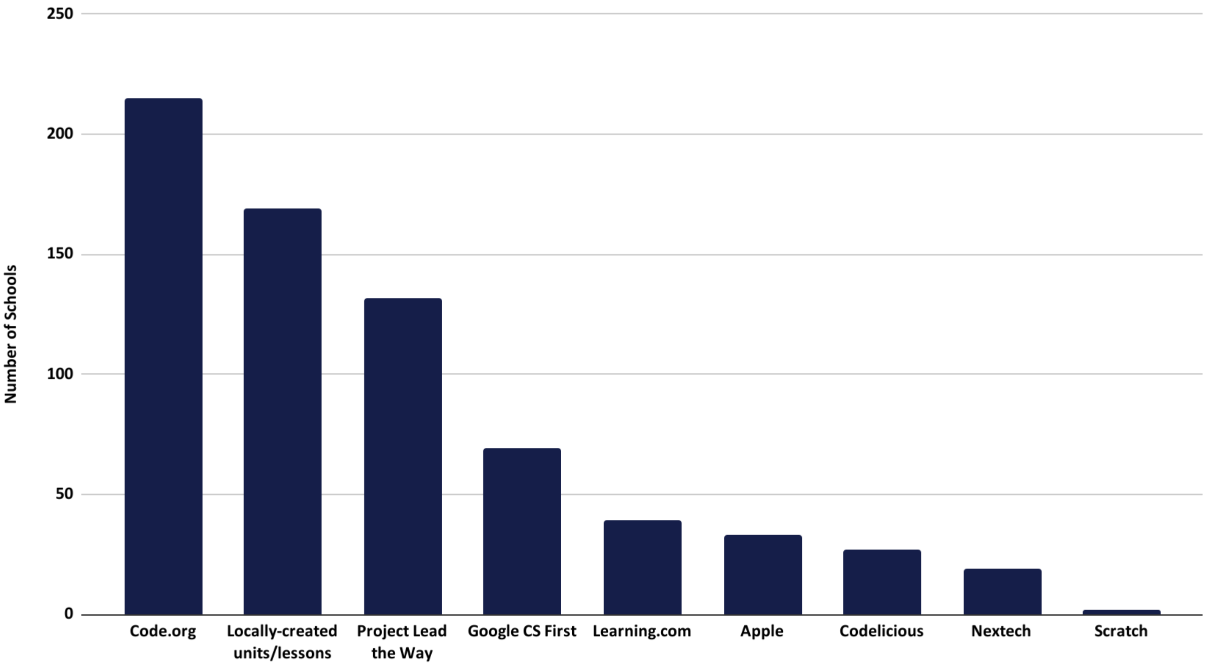


Where does the majority of CS instruction take place? (Traditional Public and Charter)

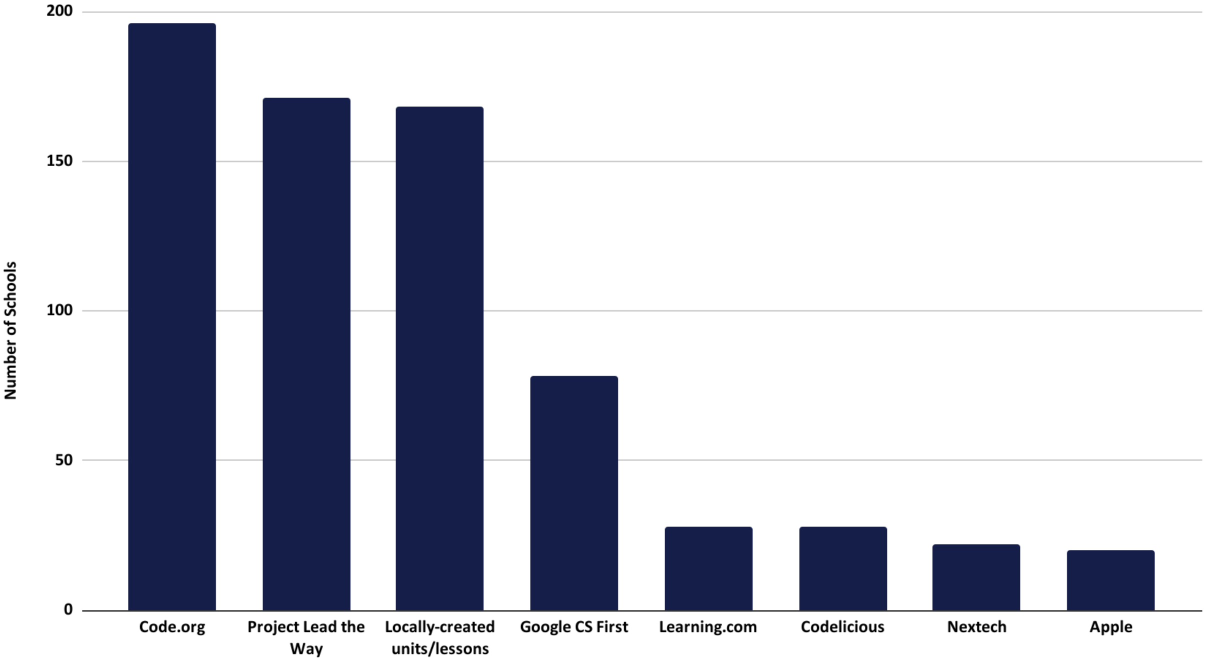


Who delivers the majority of CS instruction? (Traditional Public and Charter)

What CS curriculum providers do you use in K-5? (Traditional Public and Charter)



What CS curriculum providers do you use in 6-8? (Traditional Public and Charter)



Grades Nine through 12

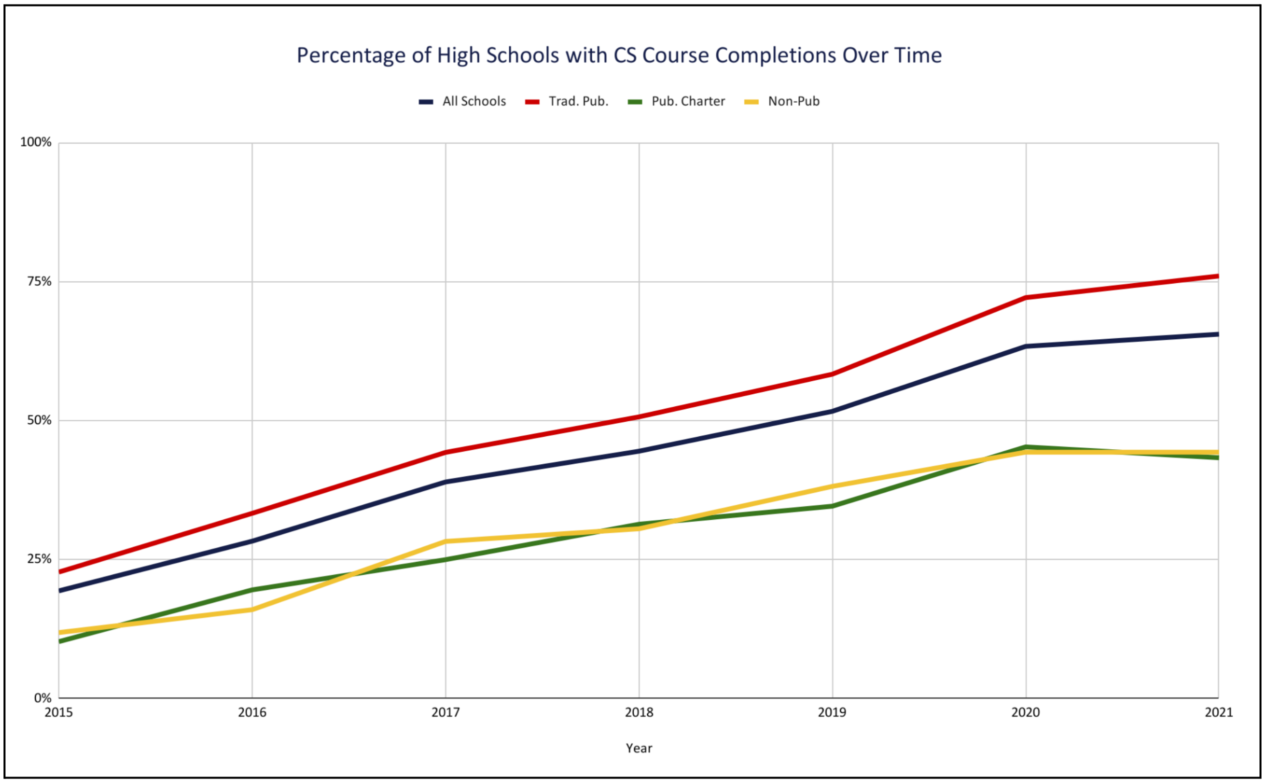
ALL SCHOOLS			
School Year	**Number of Schools**	**Number of Schools Offering At Least 1 CS Course**	**Percentage of all Schools**
2016-2017	526	205	39%
2017-2018	537	239	45%
2018-2019	536	277	52%
2019-2020	535	339	63%
2020-2021	540	354	66%

TRADITIONAL PUBLIC SCHOOLS			
School Year	**Number of Schools**	**Number of Schools Offering At Least 1 CS Course**	**Percentage of Schools**
2016-2017	368	163	44%
2017-2018	367	186	51%
2018-2019	365	213	58%
2019-2020	366	264	72%
2020-2021	367	279	76%

PUBLIC CHARTER SCHOOLS			
School Year	**Number of Schools**	**Number of Schools Offering At Least One CS Course**	**Percentage of Schools**
2016-2017	48	12	25%
2017-2018	51	16	31%
2018-2019	52	18	35%
2019-2020	53	24	45%
2020-2021	60	26	43%

NONPUBLIC SCHOOLS			
School Year	**Number of Schools**	**Number of Schools Offering At Least One CS Course**	**Percentage of Schools**
2016-2017	99	28	28%
2017-2018	108	33	31%
2018-2019	110	42	38%
2019-2020	106	47	44%
2020-2021	106	47	44%

Updated course completion data for the 2021-2022 school year will be available by the end of July 2022.



Traditional Public Schools *Without* a CS Course

LOCALE	2016 - 2017		2017 - 2018		2018 - 2019		2019 - 2020		2020 - 2021	
	#	%	#	%	#	%	#	%	#	%
City: Large	12	41%	10	37%	6	32%	4	21%	3	16%
City: Midsize	9	90%	4	40%	4	40%	3	30%	4	36%
City: Small	13	46%	12	43%	10	38%	10	38%	6	26%
Rural: Distant	69	68%	60	59%	49	49%	38	38%	36	37%
Rural: Fringe	34	55%	31	50%	23	37%	14	23%	9	15%
Rural: Remote	2	50%	2	50%	2	50%	1	25%	1	25%
Suburb: Large	18	35%	20	38%	19	36%	7	13%	7	14%
Suburb: Midsize	2	33%	1	17%	1	17%	0	0%	0	0%
Suburb: Small	6	100%	4	67%	3	50%	3	50%	2	33%
Town: Distant	29	58%	26	52%	23	48%	12	25%	9	19%
Town: Fringe	11	55%	11	55%	8	40%	5	25%	3	15%
Town: Remote	1	100%	1	100%	0	0%	0	0%	0	0%
N/A	2	100%	5	100%	8	57%	10	56%	14	54%

Public Charter Schools *Without* a CS Course

2016-2017		2017-2018		2018-2019		2019-2020		2020-2021	
#	%	#	%	#	%	#	%	#	%
35	70%	38	69%	35	66%	30	56%	34	57%

Non-Public Schools *Without* a CS Course

2016-2017		2017-2018		2018-2019		2019-2020		2020-2021	
#	%	#	%	#	%	#	%	#	%
61	71%	55	65%	68	63%	64	59%	59	56%

Since 2017, Indiana has shown consistent growth in the number of all school types offering computer science. Additionally, the number of counties with no computer science offered in traditional public high schools decreased from seven in 2019-2020 to five in 2020-2021. Blackford, Ohio, Starke, Union, and Warren counties offered no computer science in traditional public high schools in 2020-2021.

High School Enrollment	Year						
Course	2015	2016	2017	2018	2019	2020	2021
Introduction to CS	292	1428	2446	3553	5357	7585	8068
CS I	283	1592	3779	3596	4877	5100	6255
CS II	638	753	935	914	956	1035	1082
CS III: Special Topics	0	0	0	120	195	0	213
CS III: Software Dev	N/a	N/a	N/a	N/a	0	18	92
CS III: Databases	0	0	0	19	34	0	71
CS III: Informatics	N/a	1	35	48	15	138	73
CS III: Cybersecurity	N/a	N/a	N/a	N/a	11	315	524
AP CS A	900	958	1070	1098	1180	1247	1025
AP CS Principles	0	0	559	764	1301	1659	1940
CS Standard Level, IB	0	28	33	29	30	30	34
CS Higher Level, IB	0	0	0	0	0	0	0
Cambridge Int AS and A	N/a	N/a	N/a	N/a	0	0	0
	2113	4760	8857	10141	13956	17127	19377

Plans for Continued Growth

- Engage regional Education Service Centers in developing an outreach plan and support strategy to address remaining compliance gaps.

- Ensure timely and relevant professional development opportunities continue to be available for teachers of all backgrounds across all grade levels.

- Update kindergarten through grade eight CS frameworks to provide educators with resources to implement 2022 K-8 Computer Science Standards in alignment with national best practices.

- Identify additional strategies for supporting and engaging schools that are experiencing barriers to computer science implementation.

- Continue existing partnerships with organizations such as Girls Who Code, Expanding Computing Education Pathways Alliance, CSforIN, professional development partners, and others to continue scaling CS education across Indiana.

- Leverage the Expanding Access to Well-Rounded Courses Grant to develop creative solutions for offering CS courses in non-traditional ways.

- Maintain a high level of support and technical assistance for schools and districts.

Conclusion

Indiana is fortunate to have a supportive policy climate as related to computer science education. This, along with state-supported professional development efforts, has resulted in tremendous growth of computer science implementation in Indiana's kindergarten through grade 12 schools over the past few years. The data and indicators outlined above demonstrate this growth and also clarify areas where continued or expanded support is necessary.

- Successes of note include:
    - The percentage of all high schools (public, public charter, and non-public) offering at least one computer science course reached an all-time high of approximately 66% in the 2020-2021 school year.
    - The number of Indiana counties where no high schools are offering at least one computer science course has reached an all-time low of <1%.

  - The vast majority of kindergarten through grade eight public schools are either currently teaching computer science standards or developing a plan to teach computer science standards.
  - New CTE programs of study have been aligned with postsecondary and industry credentials.

- Areas for improvement:
  - While the number of high school students taking a computer science course has reached 19,377, this number only represents approximately 6% of high school students.
  - High school student participation in advanced computer science coursework is relatively low.
  - Anecdotal evidence and survey results indicate that identifying a teacher may be a barrier to computer science implementation in some schools.

With continued support from IDOE, the Indiana General Assembly, the Governor's Office, Indiana K-12 schools, families, and other public and private stakeholders, Indiana can continue to expand computer science education and opportunities for students and be a recognized leader in computer science education across the United States.

Please contact Jake Koressel with any questions.

Appendices

Appendix A - CodeHS Contract (October 1, 2019 - July 31, 2022)
Appendix B - Indiana University Contract (October 1, 2019 - July 31, 2022)
Appendix C - Nextech Contract (October 1, 2019 - July 31, 2022)
Appendix D - Notre Dame Contract (February 10, 2020 - July 31, 2022)
Appendix E - Project Lead The Way Contract (May 1, 2020 - July 31, 2022)
Appendix F - SEA 172 Gov CS Report, January 2021

AMENDMENT #4

CONTRACT #0000000000000000000040237

This is an Amendment to the Contract (the "Contract") entered into by and between the Indiana Department of Education (the "State") and CODEHS, INC. (the "Contractor") approved by the last State signatory on February 20, 2020.

In consideration of the mutual undertakings and covenants hereinafter set forth, the parties agree as follows:

No additional time is being added to the Contract. It shall terminate on **July 31, 2022**.

The consideration during this extension period is **$224,250**. Total remuneration under the Contract is not to exceed **$488,250**.

The Contract is amended by the following:

1. Duties of Contractor.

Paragraph 1. relating to Duties of Contractor, is hereby modified by the following:

The Contractor will perform duties set forth in **Exhibit D** of Amendment #3 and **Exhibit E**, attached and fully incorporated by reference.

2. Consideration.

Paragraph 2. relating to Consideration, is hereby deleted in its entirety and replaced with the following:

The Contractor will be paid the rate indicated in **Exhibit D** of Amendment #3 and **Exhibit E**, attached and fully incorporated by reference for performing the duties of the Contract. Total remuneration under this Contract shall not exceed **$488,250**.

34. Notice to Parties.

Paragraph 34. relating to Notice to Parties, Item A., is hereby modified by the following:

A. Notices to the State shall be sent to:

Karrianne Polk-Meek, Director of Office of Teaching & Learning
Indiana Department of Education
Indiana Government Center North, 9th Floor
100 N. Senate Avenue
Indianapolis, IN 46204

37. Payments.

Paragraph 37. relating to Payments, Item E. is hereby modified by the following:

E. Payments shall not exceed $488,250 for the period of October 1, 2019 through July 31, 2022.

Funding Summary

October 1, 2019 through July 31, 2022 (Original Contract)	$156,000
October 1, 2019 through July 31, 2022 (Amendment #1)	$ 42,000
October 1, 2019 through July 31, 2022 (Amendment #2)	$ 0
October 1, 2019 through July 31, 2022 (Amendment #3)	$ 66,000
October 1, 2019 through July 31, 2022 (Amendment #4)	$224,250

Total remuneration under this Contract shall not exceed $488,250.

50. State Boilerplate Affirmation Clause.

Paragraph 50. relating to State Boilerplate Affirmation Clause, is hereby modified by addition of the following:

34. Notice to Parties. (Item A., Modified)
37. Payments. (Item E., Modified)

All matters set forth in the original Contract, Amendment #1, Amendment #2, and Amendment #3 and not affected by this Amendment shall remain in full force and effect.

Non-Collusion and Acceptance

The undersigned attests, subject to the penalties for perjury, that the undersigned is the Contractor, or that the undersigned is the properly authorized representative, agent, member or officer of the Contractor. Further, to the undersigned's knowledge, neither the undersigned nor any other member, employee, representative, agent or officer of the Contractor, directly or indirectly, has entered into or been offered any sum of money or other consideration for the execution of this Contract other than that which appears upon the face hereof**. Furthermore, if the undersigned has knowledge that a state officer, employee, or special state appointee, as those terms are defined in IC § 4-2-6-1, has a financial interest in the Contract, the Contractor attests to compliance with the disclosure requirements in IC § 4-2-6-10.5.**

Agreement to Use Electronic Signatures

I agree, and it is my intent, to sign this Contract by accessing State of Indiana Supplier Portal using the secure password assigned to me and by electronically submitting this Contract to the State of Indiana. I understand that my signing and submitting this Contract in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Contract and this affirmation. I understand and agree that by electronically signing and submitting this Contract in this fashion I am affirming to the truth of the information contained therein. I understand that this Contract will not become binding on the State until it has been approved by the Department of Administration, the State Budget Agency, and the Office of the Attorney General, which approvals will be posted on the Active Contracts Database: https://secure.in.gov/apps/idoa/contractsearch/

In Witness Whereof, the Contractor and the State have, through their duly authorized representatives, entered into this Contract. The parties, having read and understood the foregoing terms of this Contract, do by their respective signatures dated below agree to the terms thereof.

CODEHS, INC.	Indiana Department of Education
DocuSigned by: By: 557DEA5C2C954D3...	DocuSigned by: By: Tracy Brown - 00700 6F48CC506874466...
Title: CEO	Title: Chief Financial Officer
Date: 4/25/2022 | 10:31 EDT	Date: 4/25/2022 | 11:37 EDT

Electronically Approved by: Department of Administration By: (for) Rebecca Holwerda, Commissioner	
Electronically Approved by: State Budget Agency By: (for) Zachary Q. Jackson, Director	Electronically Approved as to Form and Legality by: Office of the Attorney General By: (for) Theodore E Rokita, Attorney General

Exhibit E

K-12 Teacher Professional Development	**Virtual Bootcamps (Python, JavaScript, and Cybersecurity)**	**105**	**$1,650.00**	**$173,250.00**
	Elementary Workshops (Lower and Upper)			
	Workshop + Bootcamp (Artificial Intelligence/Data Science and Middle School CS)			
	Virtual Mini Workshops (Coding in Math and Coding in Science)	**30**	**$200.00**	**$6,000.00**
Elementary Curriculum License	**Elementary Curriculum School License for Elementary Workshop Participants**	**30**	**$1,500.00**	**$45,000.00**
			Amount added via amendment	$224,250.00

AMENDMENT #1

CONTRACT #0000000000000000000040748

This is an Amendment to the Contract (the "Contract") entered into by and between the Indiana Department of Education (the "State") and TRUSTEES OF INDIANA UNIVERSITY (the "State Educational Institution," an institution referred to in IC § 21-7-13-32(b)), approved by the last State signatory on April 20, 2020.

In consideration of the mutual undertakings and covenants hereinafter set forth, the parties agree as follows:

The purpose of this Amendment is to delete **Exhibit A** of the original Contract in its entirety and replace with **Exhibit B**, attached and fully incorporated by reference.

The Contract Agreement is hereby extended for an additional period of twelve months. It shall terminate on **July 31, 2022.**

The consideration during this extension period is **$1,593,363.74**. Total remuneration under the Contract is not to exceed **$2,088,131.11**.

The Contract is amended by the following:

1. Duties of the State Educational Institution.

Paragraph 1. relating to Duties of the State Educational Institution, is hereby deleted in its entirety and replaced with the following:

The State Educational Institution will provide professional development in Computer Science for up to 75 Indiana high school teachers. The duties of the State Educational Institution are set forth on **Exhibit B**, attached hereto and incorporated fully herein.

2. Consideration.

Paragraph 2. relating to Consideration, is hereby deleted in its entirety and replaced with the following:

The State Educational Institution will be paid in accordance with the budget in **Exhibit B** for performing the duties set forth above. Total remuneration under this Contract shall not exceed **$2,088,131.11**.

3. Term.

Paragraph 3. relating to Term, is hereby deleted in its entirety and replaced with the following:

This Contract shall be effective for a period of thirty-four months. It shall commence on **October 01, 2019** and shall remain in effect through **July 31, 2022**.

25. Notice to Parties.

Paragraph 25. relating to Notice to Parties, Item A, is hereby modified by the following:

A. Notices to the State shall be sent to:

Dr. Jennifer Jensen, Director, Secondary Learning
Indiana Department of Education

Indiana Government Center North, 9th Floor
100 N. Senate Avenue
Indianapolis, IN 46204

26. Payments.

Paragraph 26. relating to Payments, Item D. is hereby added as follows:

D. Payments shall not exceed $2,088,131.11 for the period of October 1, 2019 through July 31, 2022.

Funding Summary

October 1, 2019 through July 31, 2022 (Original Contract)	$494,767.37
October 1, 2019 through July 31, 2022 (Amendment #1)	$1,593,363.74
Total remuneration under this Contract Agreement shall not exceed	$2,088,131.11

35. State Boilerplate Affirmation Clause.

Paragraph 35. relating to State Boilerplate Affirmation Clause, is hereby modified by following:

26. Payments. (Item D. added)
25. Notice to Parties. (Item A., modified)

All matters set forth in the original Contract and not affected by this Amendment shall remain in full force and effect.

Non-Collusion and Acceptance

The undersigned attests, subject to the penalties for perjury, that the undersigned is the Contractor, or that the undersigned is the properly authorized representative, agent, member or officer of the Contractor. Further, to the undersigned's knowledge, neither the undersigned nor any other member, employee, representative, agent or officer of the Contractor, directly or indirectly, has entered into or been offered any sum of money or other consideration for the execution of this Contract other than that which appears upon the face hereof**. Furthermore, if the undersigned has knowledge that a state officer, employee, or special state appointee, as those terms are defined in IC § 4-2-6-1, has a financial interest in the Contract, the Contractor attests to compliance with the disclosure requirements in IC § 4-2-6-10.5.**

Agreement to Use Electronic Signatures

I agree, and it is my intent, to sign this Contract by accessing State of Indiana Supplier Portal using the secure password assigned to me and by electronically submitting this Contract to the State of Indiana. I understand that my signing and submitting this Contract in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Contract and this affirmation. I understand and agree that by electronically signing and submitting this Contract in this fashion I am affirming to the truth of the information contained therein. I understand that this Contract will not become binding on the State until it has been approved by the Department of Administration, the State Budget Agency, and the Office of the Attorney General, which approvals will be posted on the Active Contracts Database: https://fs.gmis.in.gov/psp/guest/SUPPLIER/ERP/c/SOI_CUSTOM_APPS.SOI_PUBLIC_CNTRCTS.GBL

In Witness Whereof, the Contractor and the State have, through their duly authorized representatives, entered into this Contract. The parties, having read and understood the foregoing terms of this Contract, do by their respective signatures dated below agree to the terms thereof.

TRUSTEES OF INDIANA UNIVERSITY	Indiana Department of Education
DocuSigned by:	DocuSigned by:
By: Jeff Skaggs	By: Tracy Brown - 00700
0DC7A53A99854DB...	6F48CC506874466...
Title: Senior Contract Officer	Title: Chief Financial Officer
Date: 4/23/2021 | 13:26 PDT	Date: 4/29/2021 | 17:19 EDT

Electronically Approved by: Department of Administration By: (for) Lesley A. Crane, Commissioner	
Electronically Approved by: State Budget Agency By: (for) Zachary Q. Jackson, Director	Electronically Approved as to Form and Legality by: Office of the Attorney General By: (for) Theodore E. Rokita, Attorney General

Exhibit B

Organization: Indiana University
Contact Name: Steven Martin, Cassie Lockwood, Mathew Palakal
Contact Email: iuprop@iu.edu, csilverm@iu.edu, mpalakal@iupui.edu

Scope of Work

During the summer of 2020, Indiana University (IU) will provide the professional development experience outlined below for up to 75 Indiana high school teachers. IU will be reimbursed for training activities on a per participant basis in the amount indicated in the attached budget (aside from Program Start-Up Costs, which can be drawn from as-needed). Reimbursements will only be provided for teachers of public and public charter schools. In general, registration priority should be given to teachers of public schools and public charters, as well as teachers at schools with no existing computer science programs or that have not participated in computer science professional development in the past.

On a monthly basis, IU will invoice the Indiana Department of Education (IDOE) for all reimbursable training activities to date. At that time, IU will provide IDOE with a training progress update. Additional updates (in-person or virtual) may be requested by IDOE on an as-needed basis. Members of IDOE may attend/observe any IDOE-funded workshop as desired.

Informatics Diversity-Enhanced Workforce (iDEW) Professional Development

- Target Audience: 9-12 Educators
- Target Number of Educators to be Trained: 75
- Details: There will be three training groups of up to 25 participants. Training will consist of on-site and remote components totaling approximately 11-12 days. The training will launch remotely with a checklist of online materials to review prior to the four-day on-site training. The schedule of the on-site training, by group, will be as follows:

	Group 1	**Group 2**	**Group 3**
Day 1:	PBL training	PBL training	PBL training
Day 2:	AppDesign Module	IoT Module	GameDesign Module
Day 3:	GameDesign Module	AppDesign Module	IoT Module
Day 4:	IoT Module	GameDesign Module	AppDesign Module

On-site training will be followed by an extended period (up to two weeks) of remote work with support and review from the iDEW team. During this time, teachers will follow the CxD principles (Research, Design, Prototype, and Implement) and complete an appropriate project (AppDesign, IoT, etc.) as a student. Teachers will also formulate a draft syllabus and classroom management plan. The iDEW team will provide a template and guidebook for planning and will provide ongoing support during this period to help teachers fully develop the project. Teachers will submit their finished project online, as a student, for evaluation and assessment. At the culmination of the remote work, participants will return for one more day of on-site training. A portfolio-based assessment will be carried out at the end of the training period.

IU will subcontract with two entities, TechServ and Engaging Solutions, who will assist with marketing, teacher recruitment, and logistics. Participants outside reasonable commuting distance will be provided with lodging for the duration of on-site training sessions, free of charge.

This contract shall begin on October 1, 2019, and expire on July 31, 2021. IU will be eligible for an extension or renewal at the IDOE's option.

Scope of Work - Indiana University

Purpose/Background

IC 20-30-5-23 requires that, after June 30, 2021, each public and public charter school include computer science in the curriculum for students in grades K-12. In order to meet this requirement, schools/districts are in need of teacher professional development opportunities to ensure that teachers have the computer science content knowledge and confidence to bring high-quality computer science learning experiences to their students. Indiana University has recognized expertise in computer science education and have developed a variety of experiences to help K-12 teachers bring computer science to their students.

Contractor Responsibilities/Deliverables

By July 31, 2022, Indiana University will provide a variety of computer science professional development opportunities for Indiana K-12 teachers. Indiana University will be reimbursed for training activities on a per participant or per activity basis up to the amounts indicated in the attached budget (aside from any fixed costs, which may be utilized as-needed). Reimbursements will only be provided for teachers of public and public charter schools. In general, registration priority should be given to teachers of public schools and public charters, as well as teachers at schools with no existing computer science programs or that have not participated in computer science professional development in the past. Workshops should take place in a variety of locations around the state where possible.

On a quarterly basis, Indiana University will invoice IDOE for all reimbursable training activities to date. At that time, Indiana University will provide IDOE with a training progress update. Additional updates (in-person or virtual) may be requested by IDOE on an as-needed basis. Members of IDOE may attend/observe any IDOE-funded workshop as desired.

See the attached Summary of Activities document for detailed sample workshop descriptions.

Timeline for Project

This contract shall begin on October 1, 2019 and expire on July 31, 2022.

Appendix B

	Activity	Target Number of Participants	Cost Per Participant	Total Cost
10/1/2019 to 12/31/2020	Program Start-Up Costs			$69,413.12
	Summer iDEW Training Program and Follow-Up	75	$5,671.39	$425,354.25
1/1/2021 to 7/31/2022	Fixed Costs - PBL Workshops			$90,000.74
	Technology Workshops	300	$1,414.14	$424,242.00
	Computing by Design Innovation Workshops	300	$1,436.22	$430,866.00
	Short CS Projects Workshops	300	$1,566.67	$470,001.00
	Repository of Discrete Learning Activities	90	$1,980.60	$178,254.00
	Total			$2,088,131.11
			Previous Contract Amount	$494,767.37
			Amount Added via Amendment	$1,593,363.74

AMENDMENT #3

CONTRACT #0000000000000000000040208

This is an Amendment to the Contract (the "Contract") entered into by and between the Indiana Department of Education (the "State") and NEXTECH.ORG, INC. (the "Contractor") approved by the last State signatory on February 6, 2020.

In consideration of the mutual undertakings and covenants hereinafter set forth, the parties agree as follows:

No additional time is being added to the Contract. It shall terminate on **July 31, 2022**.

The consideration during this period is **$403,535**. Total remuneration under the Contract is not to exceed **$1,978,802.26**.

The Contract is amended by the following:

1. Duties of Contractor.

Paragraph 1. relating to Duties of Contractor, is hereby modified by the following:

The Contractor will provide workshops on Teacher Professional Development in Computer Science for Indiana middle school and high school teachers. Details of the Duties are described in **Exhibit C** of Amendment #2 and **Exhibit D**, attached and fully incorporated by reference.

2. Consideration.

Paragraph 2. relating to Consideration, is hereby deleted in its entirety and replaced with the following:

The Contractor will be paid at the rates indicated in **Exhibit C** of Amendment #2 and **Exhibit D**, attached and fully incorporated by reference for performing the duties of the Contract. Total remuneration under this Contract shall not exceed **$1,978,802.26**.

34. Notice to Parties.

Paragraph 34. relating to Notice to Parties, Item A. is hereby modified as follows:

A. Notices to the State shall be sent to:

Karrianne Polk-Meek Director, Office of Teaching & Learning
Indiana Department of Education
Indiana Government Center North, 9th Floor
100 N. Senate Avenue
Indianapolis, IN 46204

37. Payments.

Paragraph 37. relating to Payments, Item E. is hereby modified as follows:

E. Payments shall not exceed $1,978,802.26 for the period of October 1, 2019 through July 31, 2022.

Funding Summary

October 1, 2019 through July 31, 2022 (Original Contract)	$641,686.00
October 1, 2019 through July 31, 2022 (Amendment #1)	$ 42,945.00
October 1, 2019 through July 31, 2022 (Amendment #2)	$890,636.26
October 1, 2019 through July 31, 2022 (Amendment #3)	$403,535.00

Total remuneration under this Contract shall not exceed $1,978,802.26

50. State Boilerplate Affirmation Clause.

Paragraph 50. relating to State Boilerplate Affirmation Clause, is hereby modified by the following:

34. Notice to Parties. (Item A., Modified)
37. Payments. (Item E., Modified)

All matters set forth in the original Contract, Amendment #1, and Amendment #2 and not affected by this Amendment shall remain in full force and effect.

Non-Collusion and Acceptance

The undersigned attests, subject to the penalties for perjury, that the undersigned is the Contractor, or that the undersigned is the properly authorized representative, agent, member or officer of the Contractor. Further, to the undersigned's knowledge, neither the undersigned nor any other member, employee, representative, agent or officer of the Contractor, directly or indirectly, has entered into or been offered any sum of money or other consideration for the execution of this Contract other than that which appears upon the face hereof. **Furthermore, if the undersigned has knowledge that a state officer, employee, or special state appointee, as those terms are defined in IC § 4-2-6-1, has a financial interest in the Contract, the Contractor attests to compliance with the disclosure requirements in IC § 4-2-6-10.5.**

Agreement to Use Electronic Signatures

I agree, and it is my intent, to sign this Contract by accessing State of Indiana Supplier Portal using the secure password assigned to me and by electronically submitting this Contract to the State of Indiana. I understand that my signing and submitting this Contract in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Contract and this affirmation. I understand and agree that by electronically signing and submitting this Contract in this fashion I am affirming to the truth of the information contained therein. I understand that this Contract will not become binding on the State until it has been approved by the Department of Administration, the State Budget Agency, and the Office of the Attorney General, which approvals will be posted on the Active Contracts Database: https://secure.in.gov/apps/idoa/contractsearch/

In Witness Whereof, the Contractor and the State have, through their duly authorized representatives, entered into this Contract. The parties, having read and understood the foregoing terms of this Contract, do by their respective signatures dated below agree to the terms thereof.

NEXTECH.ORG, INC.	Indiana Department of Education
DocuSigned by:	DocuSigned by:
By: Karen Jung AD403D8900334F2...	By: Tracy Brown - 00700 6F48CC506874466...
Title: President	Title: Chief Financial Officer
Date: 4/22/2022 | 13:35 EDT	Date: 4/22/2022 | 14:15 EDT

Electronically Approved by: Department of Administration By: (for) Rebecca Holwerda, Commissioner	
Electronically Approved by: State Budget Agency By: (for) Zachary Q. Jackson, Director	Electronically Approved as to Form and Legality by: Office of the Attorney General By: (for) Theodore E Rokita, Attorney General

Exhibit D

Scope of Work - Nextech

Purpose/Background

IC 20-30-5-23 requires that, after June 30, 2021, each public and public charter school include computer science in the curriculum for students in grades K-12. In order to meet this requirement, schools/districts are in need of teacher professional development opportunities to ensure that teachers have the computer science content knowledge and confidence to bring high-quality computer science learning experiences to their students. Nextech is an Indiana non-profit that provides nationally-recognized computer science professional development opportunities to teachers across the state.

Contractor Responsibilities/Deliverables

**The following is in addition to activities outlined in the previous Scope of Work for this contract.

By July 31, 2022, Nextech will provide the workshops outlined below for Indiana K-12 teachers. Nextech will be reimbursed for training activities as outlined in the attached budget. In general, registration priority should be given to teachers of public schools and public charters, as well as teachers at schools with no existing computer science programs or that have not participated in computer science professional development in the past.

By the 15th of each month, Nextech will invoice the Indiana Department of Education (IDOE) for all creation, delivery, curriculum, materials, and supplies, and stipend expenses related to activities outlined below from the previous month. At that time, Nextech will provide IDOE with a training progress update. Additional updates (in-person or virtual) may be requested by IDOE on an as-needed basis. Members of IDOE may attend/observe any IDOE-funded workshop as desired.

Approval of Deliverables

All deliverables provided by Nextech.org will be sent to IDOE for review and feedback. Nextech will implement revisions and feedback per the direction of IDOE. IDOE will approve and sign-off on all of the following but not limited to: deliverables, materials, workshops, agendas, meeting minutes, and anything public facing.

Date(s)	**Deliverable**	**Target # of Participants**
June 27 - July 1, 2022	Hands-On CS for K-5 Teachers ● Target Audience: K-5 Educators ● Description: Nextech will create and deliver this 5-day experience where participants will practice weaving computational thinking and interdisciplinary connections together with core content while exploring areas such as robotics and unplugged activities. Participants will receive necessary curriculum, materials, and supplies needed to fully participate in the professional development experience and implement the full curriculum in their classrooms.	60
June 10, 2022 June 11, 2022 July 8, 2022	Pre-K Computer Science Workshop ● Target Audience: Pre-K Educators ● Description: Nextech will create and deliver this one-day experience where participants will learn how to engage Pre-K students in computer science activities that build as students move on to grades K-8. Participants will receive necessary curriculum, materials, and supplies to fully participate in the professional development experience and implement the full range of activities in their classrooms. This opportunity will be offered three times in locations mutually-determined by IDOE and Nextech. Participants will receive a $200 stipend upon completion of the workshop.	48
June/July 2022	English Language Learner (ELL) and Special Education Resource Hubs ● Target Audience: K-12 Educators ● Description: Nextech will create and deliver two resource collections in the Indiana Learning Lab designed to assist K-12 teachers in removing barriers to CS understanding for ELL and Special Education student populations. A minimum of eight resources will be included in each collection (ELL and Special Education). ● Note: All webinar recordings and resources/materials developed by Nextech as part of this proposal and curated in the Indiana Learning Lab are owned by IDOE at the conclusion of the contract.	N/A

Date(s)	**Deliverable**	**Target # of Participants**
Week of July 18, 2022	Virtual Classroom-Career Connection Experience for Teachers ● Target Audience: K-12 Educators ● Description: Nextech will deliver a full-day, virtual computer science conference, modeled after tech and educational conferences, designed to inspire teachers to engage K-12 students in computer science and technology. This includes direct interaction with CS/technology industry professionals. Teachers will be empowered to make their own agenda by choosing topics that interest them most from a menu of options that connect classroom topics to real-world experiences. Participants will receive a $200 stipend upon completion of the Classroom-Career Connection Experience.	48
June/July 2022	Summer of Learning ● Target Audience: K-12 Educators ● Description: Nextech will deliver computer science PD experiences at up to 12 Summer of Learning Conferences (specific sites are still being finalized). Participants will receive necessary curriculum, materials, and supplies to fully participate in the professional development experience and implement the full range of activities in their classrooms. Nextech will be eligible for a reimbursement of $1,426 per workshop for delivery and $2,000 per workshop for curriculum, materials, and supplies. Workshop topics will vary by site and may include: ○ Code.org CS Fundamentals ○ Unpacking the (NEW!) CS Standards and Integrating Computer Science ○ Integrating Computer Science using Artificial Intelligence ○ Integrating Computer Science using Digital Citizenship	240

Date:	**Deliverable**	**Target # of Participants**
Week of June 27th, 2022	Code.org's CS Discoveries ● Target Audience: Grades 6-10 Educators ● Description: Nextech is already slated to deliver this five-day professional learning program designed to prepare teachers before their first year teaching CS Discoveries. This line item of the budget is specifically to provide program participants with necessary curriculum, materials, and supplies to fully participate in the professional development experience and implement the full-course curriculum in their classrooms.	75
Week of June 27th, 2022	Counselors 4 Computing ● Target Audience: 6-12 Guidance Counselors ● Description: Nextech will deliver the Counselors for Computing (C4C) program which provides information and resources that help school counselors join the front line of the computing conversation. During this 1-day intensive workshop, school counselors are provided with professional development, knowledge, and resources to give all students access to transformative computer science opportunities. School counselors try their hand at computing through interactive experiences, such as Code Studio and "Sorting Networks." Participants will receive necessary materials and supplies to fully participate in the experience and implement strategies in their schools to increase student access to computing education and careers.	25

2022 Amendment	Workshops	Hands-On CS for K-5 Teachers	Creation of 5-day intensive program	$7,761.00
			Delivery delivery of 5-day intensive program to 60 participants	$47,070.00
			Curriculum, materials, and supplies for 60 participants	$115,560.00
		Pre-K Computer Science Workshops	Creation of one-day Pre-K workshop	$4,000.00
			Delivery of three one-day Pre-K workshops	$10,032.00
			Curriculum, materials, and supplies for 48 participants	$38,400.00
			Stipends at $200 per day for 48 participants	$9,600.00
		ELL/Special Education Resource Hubs	Creation of eight ELL resources and eight special education resources	$28,000.00
			Delivery of resources to the Indiana Learning Lab	$4,000.00
		Virtual Classroom-Career Connection Experience for Teachers	Delivery of full-day experience	$25,500.00
			Curriculum, materials, and supplies for 48 participants	$2,900.00
			Stipends at $200 per day for 48 participants	$9,600.00
		Summer of Learning	Delivery of 12 workshops at Summer of Learning Conference sites	$17,112.00
			Curriculum, materials, and supplies for 240 participants	$24,000.00
		CS Discoveries Workshop	Curriculum, materials, and supplies for 75 participants	$30,000.00
		Counselors 4 Computing	Delivery of full-day experience	$29,000.00
			Materials and supplies for 25 participants	$1,000.00

					Amount Added via amendment	$403,535.00

AMENDMENT #2

CONTRACT #0000000000000000000040745

This is an Amendment to the Contract (the "Contract") entered into by and between the Indiana Department of Education (the "State") and UNIVERSITY OF NOTRE DAME DU LAC (the "Contractor") approved by the last State signatory on March 17, 2020.

In consideration of the mutual undertakings and covenants hereinafter set forth, the parties agree as follows:

The Contract is hereby extended for an additional period of twelve months. It shall terminate on **July 31, 2022**.

No additional consideration is being added during the extension period. Total remuneration under the Contract is not to exceed **$623,608**.

The purpose of this Amendment is to delete **Exhibit A** of the original contract and **Exhibit B** of Amendment #1 and replace with **Exhibit C**, attached and fully incorporated by reference.

The Contract is hereby amended as follows:

1. Duties of Contractor.

Paragraph 1, relating to Duties of Contractor, is hereby deleted in its entirety and replaced with the following:

The Contractor will develop and manage IndianaComputes, a K-12 program offering Computer Science professional development to Indiana educators. Details of the Duties are described in **Exhibit C**, attached and fully incorporated by reference.

2. Consideration.

Paragraph 2, relating to Consideration, is hereby deleted in its entirety and replaced with the following:

The Contractor will be paid at the rates indicated in **Exhibit C,** attached and fully incorporated by reference for performing the duties of the Contract**.** Total remuneration under this Contract shall not exceed **$623,608**.

3. Term.

Paragraph 3, relating to Term, is hereby deleted in its entirety and replaced with the following:

This Contract shall commence on **February 10, 2020** and shall remain in effect through **July 31, 2022**.

32. Minority and Women's Business Enterprises Compliance.

Paragraph 32, relating to Minority and Women's Business Enterprises Compliance, is included as it was in the original contract:

Award of this Contract was based, in part, on the Minority and/or Women's Business Enterprise ("MBE" and/or "WBE") participation plan as detailed in the Minority and Women's Business Enterprises Subcontractor Commitment Form, commonly referred to as "Attachment A" in the procurement documentation and incorporated by reference herein**.** Therefore, any changes to this information during the Contract term must be approved by MWBE Compliance and may require an amendment. It is the State's expectation that the Contractor will meet the subcontractor commitments during the Contract term.

The following MBE/WBE Division ("Division") certified MBE and/or WBE subcontractors will be participating in this Contract:

MBE or WBE	COMPANY NAME	PHONE	EMAIL OF CONTACT PERSON	PERCENT

WBE - Braun Analytics, LLC – (574) 635-5977 – marcia@braunanalytics.com 4%

Briefly describe the MBE and/or WBE service(s)/product(s) to be provided under this Contract and include the estimated date(s) for utilization during the Contract term:

Braun Analytics, LLC – pre- and post-test statistical data analyses. Correlation and multivariate analyses.

A copy of each subcontractor agreement must be submitted to the Division within thirty (30) days of the effective date of this Contract. The subcontractor agreements may be uploaded into Pay Audit (Indiana's subcontractor payment auditing system), emailed to MWBECompliance@idoa.IN.gov, or mailed to MWBE Compliance, 402 W. Washington Street, Indianapolis IN 46204. Failure to provide a copy of any subcontractor agreement may be deemed a violation of the rules governing MBE/WBE procurement and may result in sanctions allowable under 25 IAC 5-7-8. Requests for changes must be submitted to MWBECompliance@idoa.IN.gov for review and approval before changing the participation plan submitted in connection with this Contract.

The Contractor shall report payments made to Division certified subcontractors under this Contract on a monthly basis using Pay Audit. The Contractor shall notify subcontractors that they must confirm payments received from the Contractor in Pay Audit. The Pay Audit system can be accessed on the IDOA webpage at: www.in.gov/idoa/mwbe/payaudit.htm. The Contractor may also be required to report Division certified subcontractor payments directly to the Division, as reasonably requested and in the format required by the Division.

The Contractor's failure to comply with the provisions in this clause may be considered a material breach of the Contract.

34. Notice to Parties.

Paragraph 34, relating to Notice to Parties, Item A. is hereby modified as follows:

A. Notices to the State shall be sent to:

Dr. Jennifer Jensen, Director, Secondary Learning
Indiana Department of Education
Indiana Government Center North, 9th Floor
100 N. Senate Avenue
Indianapolis, IN 46204

37. Payments.

Paragraph 37, relating to Payments, Item E. is hereby modified as follows:

E. Payments shall not exceed $623,608 for the period of February 10, 2020 through July 31, 2022.

Funding Summary

February 10, 2020 through July 31, 2022 (Original Grant)	$578,608
February 10, 2020 through July 31, 2022 (Amendment #1)	$ 45,000
February 10, 2020 through July 31, 2022 (Amendment #2)	$ 0

Total remuneration under this Contract Agreement shall not exceed $623,608.

50. State Boilerplate Affirmation Clause.

Paragraph 50, relating to State Boilerplate Affirmation Clause, is hereby modified by the following:

34. Notice to Parties. (Item A. modified.)
37. Payments (Item E. modified.)

All matters set forth in the original Contract and Amendment #1 and not affected by this Amendment shall remain in full force and effect.

Non-Collusion and Acceptance

The undersigned attests, subject to the penalties for perjury, that the undersigned is the Contractor, or that the undersigned is the properly authorized representative, agent, member or officer of the Contractor. Further, to the undersigned's knowledge, neither the undersigned nor any other member, employee, representative, agent or officer of the Contractor, directly or indirectly, has entered into or been offered any sum of money or other consideration for the execution of this Contract other than that which appears upon the face hereof**. Furthermore, if the undersigned has knowledge that a state officer, employee, or special state appointee, as those terms are defined in IC § 4-2-6-1, has a financial interest in the Contract, the Contractor attests to compliance with the disclosure requirements in IC § 4-2-6-10.5.**

Agreement to Use Electronic Signatures

I agree, and it is my intent, to sign this Contract by accessing State of Indiana Supplier Portal using the secure password assigned to me and by electronically submitting this Contract to the State of Indiana. I understand that my signing and submitting this Contract in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Contract and this affirmation. I understand and agree that by electronically signing and submitting this Contract in this fashion I am affirming to the truth of the information contained therein. I understand that this Contract will not become binding on the State until it has been approved by the Department of Administration, the State Budget Agency, and the Office of the Attorney General, which approvals will be posted on the Active Contracts Database: https://fs.gmis.in.gov/psp/guest/SUPPLIER/ERP/c/SOI_CUSTOM_APPS.SOI_PUBLIC_CNTRCTS.GBL

In Witness Whereof, the Contractor and the State have, through their duly authorized representatives, entered into this Contract. The parties, having read and understood the foregoing terms of this Contract, do by their respective signatures dated below agree to the terms thereof.

UNIVERSITY OF NOTRE DAME DU LAC	Indiana Department of Education
DocuSigned by:	DocuSigned by:
By: Greg Luttrell 0A3D29A44D774DC...	By: Tracy Brown - 00700 6F48CC506874466...
Title: Director, Research Contracts	Title: Chief Financial Officer
Date: 4/26/2021 | 09:13 EDT	Date: 4/29/2021 | 17:16 EDT

Electronically Approved by: Department of Administration By: (for) Lesley A. Crane, Commissioner	
Electronically Approved by: State Budget Agency By: (for) Zachary Q. Jackson, Director	Electronically Approved as to Form and Legality by: Office of the Attorney General By: (for) Theodore E. Rokita, Attorney General

Exhibit C

REVISED Cost Proposal Narrative
IndianaComputes Proposal for
Indiana RFP 20-009 K-12 Teacher Professional Development in Computer Science
Revision: April 20, 2020

The scope of higher education faculty involvement from the 12 partner institutions around the state requires that *IndianaComputes* funding for each partner institution be assured. The revised Cost Proposal Budget, therefore, has identified Direct and Indirect costs as "fixed" costs that will be required to implement the program, regardless of the number of participants. That is, these "fixed" costs would be the same for 1 or 1,000 participants. Participant Support costs, however, are determined based on the number of participants recruited to the *IndianaComputes* program up to the maximum indicated in the proposal. Ultimately, there is no "ceiling" to the number of participants, except for the Participant Support costs.

The Cost Proposal Narrative and Cost Proposal Summary was revised to reflect the need for the "fixed" costs of this program with amendments to the original Cost Proposal as follows:

- Revision submitted November 4, 2019: In the revision submitted November 4, 2019, the line item for Marketing subcontractor JAM was removed, as the inclusion of the subcontractor was not considered a "value add" to the proposal. The funding for this line item was moved to the Materials and Supplies line to provide additional supplies to all partner institutions for "face-to-face" events and general marketing materials. *IndianaComputes* was also informed that refreshments for professional development "face-to-face" events cannot be funded with Indiana RFP 20-009 Teacher Professional Development in Computer Science funds. This has been removed from the Cost Proposal Narrative, and all partner institutions have been informed of this restriction. *IndianaComputes* retained these funds to defray facilities rental, maintenance costs, and technology support for the "face-to-face" events at each site.
- Revision requested November 25, 2019: Per the e-mail communication from Indiana Department of Education Computer Science Specialist, Jake Koressel, on November 22, 2019, the line items for proposed travel to regional or national conferences and the policy expansion were not considered a "value add" to the proposal. As a result, these line items were removed from the Cost Proposal Narrative Direct and Indirect Costs ("Fixed" costs). An addition to the Project Programming costs that was allowed is travel costs for a facilitator to conduct the Capstone Summer training in a location that might not be close to any CS Homeroom. These travel costs are included below and will be provided for each CS Homeroom site. The Cost Proposal Summary shows all changes for both the individual subcontractors and for the indirect costs.
- Revision requested April 20, 2020:
  - After review from the assigned University of Notre Dame Grant Program Manager, it was discovered that Indirect costs were mis-calculated and should be $1,162 less than stated. After discussion with Jake Koressel on April 17, 2020, it was decided to increase the Materials and Supplies line item to accommodate this difference but not change the overall amount of the "Fixed" Costs ($308,608). This is reflected in the spreadsheet and in the narrative discussion below for the specific line items.
  - Per discussion with Indiana Department of Education Computer Science Specialist Jake Koressel on April 13, 2020, *IndianaComputes* respectfully requests an additional $45,000 to create a cohort group of 30 teachers from the K-8 grade levels for participation in research that evaluates teacher and cross-correlated student impacts using our professional development model. The current national model for K-8 CS teacher training is a single, one-day program (at most, two days); facilitated by people with little or no formal training in computer science, delivered from outside a research envelope. Simply put, without execution of professional development (PD) models that employ accepted practice in educational research, the state is limited in its ability to best evaluate where and at what levels subsequent funding dollars should be spent in CS teacher PD.

    IndianaComputes believes, and the literature supports, that the K-8 grade bands are critical in student development of all STEM dispositions, including computer science. Further, the literature supports that best practice teacher PD is sustained and includes:
    - formative and summative assessment,
    - affect measures, and
    - classroom observation (virtual and when possible, face to face).

    Some funds exist for eligible high school (grades 9-12) teachers to participate in formal and rigorous computer science preparation, but this is not the case for K-8 teachers - even though the critical role K-8 plays in STEM preparation is recognized. Without this key funding support, K-8 teachers are "dis-incented" from pursuing formal CS training beyond the typical one-day offering, as that pursuit would require out of pocket expense. By supporting a K-8 Cohort group, the state can gather important cost-benefit data on its investment in K-8 teachers to acquire foundational computer science skills.

The proposed cohort group would earn 3 hours of graduate Computer Science credit with successful participation in a rigorous, foundational CS course that has been specially designed for teachers. Creating the funded cohort group now provides research efficiencies in establishing comparison groups across the K-12 bands, permits data analysis for fine-tuning of this PD model, and allows timely exploration of funding sources for programmatic sustainability.

All teachers who participate in graduate work will be required to complete additional content that is not required for non-graduate coursework participants. Some of the content will include teachers across all grade bands, but almost all of the additional content utilizes differentiated learning strategies to create a deeper dive in grade banded work (K-8 vs 9-12). On the content side, the graduate cohort members will explore, in greater depth, the content modules on programming, problem solving, AI/machine learning, Cybersecurity, and Data Science. Reflection exercises and labs in these topics will engage these teachers with greater rigor, appropriate to a graduate course but still differentiated by grade band (K-8 vs 9-12). On the pedagogical side, the graduate cohort will also explore the pedagogical content in greater depth, including assessment, classroom simulations, and educational research reflective of their personal interests; again, differentiated by grade band.

IndianaComputes programmatic content was designed for and will be delivered within a formal research envelope. Including K-8 teachers in the graduate level program supports a grade banded matched pair design (graduate coursework vs non-graduate coursework), permitting the exploration of several critical educational research questions, including relationships between teacher affect and deep content knowledge, student impact and teacher deep content knowledge, and more.

The revision to the Cost Proposal reflects a $45,000 increase in the award amount as reflected in the January 29, 2020 Cost Proposal Narrative. *IndianaComputes* retains all Direct and Indirect Costs (i.e. "fixed costs") to develop and implement the program.

COST PROPOSAL NARRATIVE: DIRECT AND INDIRECT ("fixed costs") Personnel
PD/PI – $0 – Karen Morris (UND) will serve as PD/PI for the proposed project and will be responsible for coordinating all aspects of it. She will contribute 0.1 FTE (1.2 person months). No salary support is requested. The University of Notre Dame will provide the time she contributes to the project as an in-kind contribution.

Administrative Assistant – $10,000 – to appoint an individual with the necessary qualifications to provide the project with administrative support. Total is calculated as 20 hours per month, 240 hours total at an hourly wage of $25 per hour and fringe benefit rate of 52.3% (the University's current rate for non-exempt employees).

Other Direct Costs
Materials and Supplies – $11,342 – costs associated with the general consumable supplies and services necessary for the University to administer the project (i.e., shipping costs, teleconferencing services, ADA accommodations, etc.), start up marketing materials for recruitment at state-wide conferences and meetings or visits to schools (e.g., banner for meetings, handouts), and supplies for the "face-to-face" events: the Kick Off meeting at the program start and the four-day Summer Capstone at program conclusion.

Project Programming – The 12 IHE collaborating on this project will provide the programing described in the technical proposal. Funds are requested to support the costs associated with these activities. The costs for the University of Notre Dame (which are representative of the other 11 IHEs) will include:

- *Facilitator* – $10,750 – Joe Kintzel (UND) will facilitate 21 online sessions during the school year and provide coaching to the 75 teachers participating in these sessions. He will also help develop content for the online sessions for high school teachers. Finally, he will serve as an instructor for the summer capstone for high school teachers. Cost is calculated as a stipend of $400 per day for 25 days and fringe benefits at a rate of 7.5% (the University's current rate for contract employees).
- *Facilitator Travel* – Up to $770 – travel to support Summer Capstone activities at sites that are more than one-hour, oneway travel from a facilitator's CS Homeroom. This includes: hotel for 4 nights at $94.00-125.00/night; meal per

diem of $26 per day; mileage reimbursement of $0.38 cents per mile.

- *Summer Capstone Facilitator for Elementary Teachers* – $1,720 – stipend of $400 per day for 4 days with fringe benefit rate of 7.5%.
- *Summer Capstone Facilitator for MS Teachers* – $1,720 – stipend of $400 per day for 4 days with fringe benefit rate of 7.5%.
- *Kick-Off Event* – $375 – defrays facilities rental, parking, maintenance costs, and technology support.
- *Summer Capstone Workshop* – $3,000 – defrays facilities rental, parking costs, maintenance costs, and technology support.

The 11 other IHE participating in this project will incur similar costs, with each IHE choosing the best mix of personnel and precise event costs to most benefit the project. Please see the budgets for each IHE included in the subcontract documents attachment for detailed information regarding their budgets.

Project Evaluation – $30,000 – to support a subcontract with Braun Analytics to complete an evaluation of the proposed program – assessment of program satisfaction; support in the development, implementation and evaluation of pre-post teacher CS skills assessment that includes self-efficacy and CK and PK skill mastery; provide reports that contribute to overall IDEO report mid-term and final.

Indirect Costs

Indirect costs are charged as a percentage of the proposed project's modified total direct costs (MTDC). Participant support costs are excluded from the MTDCs, but the first $25,000 of each subcontract is included as part of the MTDC total. The University's current indirect cost rate for on campus research activities is 54.5%. Per the current policy at the IDOE, a reduced indirect cost rate of 8% will be applied to the budget for this proposed project.

Indiana Department of Education
Dr. Katie Jenner, Secretary of Education

Scope of Work - University of Notre Dame

Purpose/Background

IC 20-30-5-23 requires that, after June 30, 2021, each public and public charter school include computer science in the curriculum for students in grades K-12. In order to meet this requirement, schools/districts are in need of teacher professional development opportunities to ensure that teachers have the computer science content knowledge and confidence to bring high-quality computer science learning experiences to their students. Notre Dame is an advocate for computer science education and has built support across a network of institutions of higher education.

Contractor Responsibilities/Deliverables

By July 31, 2022, Notre Dame will provide a year-long professional development experience (including a mentoring program) to Indiana K-12 teachers.

In addition to offering extended support and leadership building for the first year cohort, *IndianaComputes!* (ICI) will pursue a second year cohort. Part of their sustainability model will be to work toward developing teacher capacity at the building level, as on-site peer coaches can accelerate the emergence of local best practices by being already knowledgeable about local scope and sequencing, resource availability, etc.

It is important to note that IC! does not depend on their developed cadre to create additional facilitators. Instead, IC! will build a cadre of school level peer mentors. Program coaches will always be staffed by IHE personnel, to retain deep content knowledge and to keep up with new developments in Computer Science and Computer Science Education. By using academic partners to coach teachers, the state will be assured that each teacher cohort group receives un-ceilinged coaching in CS content, and that the content evolves to pace developments in the fast moving world of CS.

This no-cost extension, therefore, will be used to implement this next phase of IC! with the establishment of the IC! Mentor Program. The goals of this Program will be to:

- Expand *IndianaComputes!* content to new cohort of teachers
- Develop deep competency with Year 1 *IndianaComputes!* learners

- Utilize and test the growing resources repository that engage K-12 classroom students

The IC! Mentor Program will run from July 1, 2021 through June 30, 2022 and consist of the following components:

- CS Coaches:
    - Identification: CS coaches will be recruited from the current *IndianaComputes!* program. Identification will be those who have outstanding grades in the *IndianaComputes!* course (determined from Canvas submissions). Part of the selection process will include interview and survey information around recruitment planning and willingness to work within a data driven project. A maximum of 20 teachers will be recruited as teacher coaches.
    - Recruitment: CS Coaches will be responsible for recruiting and retaining a minimum of 5 teachers from their schools, corporations, or areas. These are the "recruits".
    - Training: CS Coaches will be trained by *IndianaComputes!* the CS Head Faculty and IHE Mentors to work with adult learners
    - Implementation: CS Coaches will participate in and provide support for the weekly Synch Sessions through the three *IndianaComputes!* units: Programming, Data, and Cybersecurity. As CS Coaches become facile with the content. IHE Mentors will release responsibility of the Synch Sessions to the CS Coaches.
    - Instruction: mentors will also identify, use, and assess the efficacy of *IndianaComputes!* resource repository.
- *IndianaComputes!* IHE Faculty Mentors:
    - IHE Faculty Mentors supervise 5 CS Coaches
    - IHE Faculty Mentors provide content-level support for CS Coaches.
- *IndianaComputes!* Synchronous Session Instructors
    - Provide instruction of all Modules
    - Grade all submitted activities
- Recruits (new Cohort):
    - Goal will be for 100 new teachers recruited for Cohort 2.
    - Learn CS content using *IndianaComputes!* course modules over the course of a year.
- Project Support:
    - Project Manager: manages the program and provides support in developing the Mentor Training Program.
    - CS Head Faculty: maintains program vision, course content, and coherence, guides Instructional Designer, and develops Mentor Training Program.

- Administrative Support: administrative support, consistent communications, website maintenance, and supporting teacher participants in Canvas.
- Instructional Design: productionize the modules so that they are 'stand alone' and have a coherent look and feel.

Budget Narrative

DIRECT COSTS:

1. Project Implementation Subtotal = $80,000
    a. CS Coaches = $30,000
        i. The maximum number of CS Coaches will be 20.
        ii. CS Coaches will be expected to recruit 5 Teachers from their local school, corporation or community. These are the Recruits
        iii. CS Coaches provide instructional support in conjunction with the Synch Sessions, 21 modules over three units.
        iv. CS Coaches will be paid at a rate of $500 per completed Unit for a total of $1,500 per year. A unit is "complete" when Recruits submit the exit project and the post test for each module, and participate in the Gallery Walk.
    b. *IndianaComputes!* Faculty = $50,000
        i. IHE Faculty Mentors: $30,000
            1. The maximum number of IHE Faculty Mentors will be 5.
            2. Each IHE Faculty Mentor will collaborate with 4 CS Coaches.
            3. IHE Faculty Mentors provide CS Coaches with additional content support. Part of the responsibility of the coach-mentor team is to engage in reflection on pedagogical choices and answer any content questions that arise as IHE Faculty Mentors release responsibility to CS Coaches and CS Coaches' leadership roles emerge.
            4. Paid at a rate of $2,000 per completed Unit for a total of $6,000 per year. A Unit is complete with the submission of the exit project and the post test, and participation in the Gallery Walk.
        ii. Synch Session Providers: $20,000
            1. The maximum number of Synch Session Providers will be 2.
            2. Synch Session Providers will conduct module Synch Sessions and grade submitted work.
            3. Paid at a rate of $1,000 per month for 10 months of the project.
2. Project Support Subtotal = $40,400
    a. Project Manager: $20,000

        i. Karen Morris (UND) will continue to serve as PD/PI for the project and will be responsible for coordinating all program components. The FTE for this project is 2.54 months which include fringe benefits.
    b. CS Head Faculty: $10,000
        i. Michele Roberts (IU) will be named to this role.
        ii. The CS Head Faculty will be responsible for training CS Coaches and IHE Faculty Mentors, and maintaining a community of practice for the mentor-coach pairs.
        iii. The CS Head Faculty will direct the Instructional Designer regarding the production of *IndianaComputes!* module content the various LMSs.
        iv. The CS Head Faculty will complete technical improvements to the existing curriculum, including LMS expansion, stand alone module creation, and the personalized professional development user interface.
        v. The CS Head Faculty will direct the research for this project with contributions from the Project Manager and the IHE Faculty Mentors.
        vi. Total is calculated as 25 hours per month for 10 months at a rate of $40/hour. This is a contract hire and there are no fringe benefits.
    c. Administrative Assistant: $10,400
        i. The Administrative Assistant will support the communication efforts of *IndianaComputes!*
        ii. The Administrative Assistant will manage and maintain the Canvas system for CS Coaches, Recruits, IHE Faculty Mentors, and Synch Session Providers.
        iii. The Administrative Assistant will track Recruit module completion and prepare PGP Certificates for the Project Manager to distribute.
        iv. The Administrative Assistant will manage calendar and resource updates for the *IndianaComputes!* website.
        v. Total is calculated as an average of 20 hours per week for 40 weeks of effort, at an hourly wage of $13 per hour. As this position is a contract, part-time hire, there are no fringe benefits.

3. Instructional Designer Subtotal = $30,000
    a. Instructional Designer is TBD.
    b. Total is calculated as estimated 25 hours per module to productionize 21 modules = 525 hours. Rate is $57.14/hour, based on average hourly rate on Salary.com
    c. This is a contract hire and there are no fringe benefits.

TOTAL DIRECT COSTS = $150,400

INDIRECT COSTS = $12,032

Indirect costs are charged as a percentage of the proposed project's Direct Costs. Participant support costs are excluded from the Direct Costs and indirects do not apply.

For the purposes of the No Cost Extension, funds remaining are Participant support costs. Since these funds will be transitioned to use for program supports, the amount needed for program support will be charged as an indirect cost.

The University's current indirect cost rate for on campus research activities is 54.5%. Per the current policy at the IDOE, a reduced indirect cost rate of 8% will be applied to the No Cost Extension program budget for this proposed project.

TOTAL DIRECT AND INDIRECT COSTS = $162,432

TOTAL PARTICIPANT SUPPORT = $60,000

Stipends are $600 per year per teacher and are distributed when Recruits complete the program. Total number of Recruits in budget = 100.

TOTAL COST = $222,432

Timeline for Project

This contract shall begin on February 10, 2020 and expire on July 31, 2022.

Appendix D

	Catergory	**K-5**	**6-8**	**9-12**	**Total**
2020-2021	Personnel	$3,300.00	$3,300.00	$3,400.00	$10,000.00
	Materials and Supplies	$3,781.00	$3,781.00	$3,780.00	$11,342.00
	UND	$6,624.33	$5,855.33	$5,855.34	$18,335.00
	BSU	$7,302.33	$6,532.33	$6,532.34	$20,367.00
	GC	$7,164.33	$6,394.33	$6,395.34	$19,954.00
	ISU	$7,235.33	$6,465.33	$6,465.34	$20,166.00
	IUB	$28,691.32	$25,611.32	$25,612.36	$79,915.00
	IWU	$7,133.33	$6,363.33	$6,363.34	$19,860.00
	PFW	$7,164.33	$6,394.33	$6,395.34	$19,954.00
	UE	$6,875.33	$6,105.33	$6,106.34	$19,087.00
	USI	$7,209.33	$6,439.33	$6,439.34	$20,088.00
	Braun Analytics	$10,000.00	$10,000.00	$10,000.00	$30,000.00
	Indirect Costs	$6,514.00	$6,513.00	$6,513.00	$19,540.00
	Participant Stipends	Participants can earn up to $300 dollars for completing the 2020-2021 program.			$47,563.95
	Graduate Credit Costs for K-8 Teachers	$25,500.00	$19,500.00	$0.00	$45,000.00
2021-2022	CS Coaches Stipends	20 teacher coaches will earn $500 per completed unit for three units ($1,500 total). 20 x $1,500 = $30,000			$30,000.00
	IHE Faculty Mentors	5 faculty mentors will engage with small groups of teacher coaches and be paid at a rate of $2,000 per completed unit for three units ($6,000 total). 5 x $6,000 = $30,000.			$30,000.00
	Synch Session Providers	2 faculty will conduct regular synchronous sessions to support teacher participants. They will be paid at a rate of $1,000 per month for ten months ($10,000 total). 2 x $10,000 = $20,000.			$20,000.00
	Project Manager	PI for project will coordinate all aspects of the project. 2.54 months FTE.			$20,000.00
	CS Head Faculty	Oversees faculty mentors and synch session providers. Will make updates to curriculum and monitor progress of program. 25 hours per month for ten months at $40 per hour. 25 x 10 x $40 = $10,000.			$10,000.00
	Administrative Assistant	Manage communications, track recruitment, maintain calendar, provide program support. 20 hours per week for 40 weeks at $13 per hour. 20 x 40 x $13 = $10,400.			$10,400.00
	Instructional Designer	Productionize 21 content modules. 25 hours per module at $57.14 per hour. 21 x 25 x $57.15 = $30,003.75.			$30,003.75
	Indirect Costs	Calculated at 8% of direct costs (does not include participant support)			$12,032.30
	Participant Support	Stipends of $600 will be provided to up to 100 teacher participants that complete the program. $600 x 100 = $60,000.			$60,000.00
	Total				**$623,608.00**

AMENDMENT #1

CONTRACT #0000000000000000000040148

This is an Amendment to the Contract (the "Contract") entered into by and between the Indiana Department of Education (the "State") and PROJECT LEAD THE WAY, INC. (the "Contractor") approved by the last State signatory on June 12, 2020.

In consideration of the mutual undertakings and covenants hereinafter set forth, the parties agree as follows:

The purpose of this Amendment is to delete **Exhibit A** of the original Contract in its entirety and replace with **Exhibit B**, attached and fully incorporated by reference.

The Contract is hereby extended for an additional period of twelve months. It shall terminate on **July 31, 2022**.

No additional consideration is being added to the Contract. Total remuneration under the Contract is not to exceed **$865,000**.

The Contract is amended by the following:

1. Duties of Contractor.

Paragraph 1. relating to Duties of Contractor, is hereby deleted in its entirety and replaced with the following:

The Contractor will provide workshops on Teacher Professional Development in Computer Science for Indiana middle school and high school teachers. Details of the Duties are described in **Exhibit B,** attached and fully incorporated by reference.

2. Consideration.

Paragraph 2. relating to Consideration, is hereby deleted in its entirety and replaced with the following:

The Contractor will be paid the amounts in **Exhibit B**, attached and fully incorporated by reference for performing the duties of the Contract**.** Total remuneration under this Contract shall not exceed **$865,000**.

3. Term.

Paragraph 3. relating to Term, is hereby deleted in its entirety and replaced with the following:

This Contract shall be effective for a period of twenty-seven months. It shall commence on **May 1, 2020** and shall remain in effect through **July 31, 2022.**

34. Notice to Parties.

Paragraph 34. relating to Notice to Parties, Item A., is hereby modified by the following:

A. Notices to the State shall be sent to:

Richard McKnight, Project Coordinator
Indiana Department of Education

115 W. Washington Street, South Tower, Suite 600
Indianapolis, IN 46204

37. Payments.

Paragraph 37. relating to Payments, Item E., is hereby added as follows:

E. Payments shall not exceed $865,000 for the period of May 1, 2020 through July 31, 2022.

Funding Summary

May 1, 2020 through July 31, 2022 (Original Contract)	$865,000
May 1, 2020 through July 31, 2022 (Amendment #1)	$ 0.00

Total remuneration under this Contract shall not exceed $865,000.

50. State Boilerplate Affirmation Clause.

Paragraph 50. relating to State Boilerplate Affirmation Clause, is hereby modified by the following:

34. Notice to Parties. (Item A., Modified)
37. Payments (Item E., Added)

All matters set forth in the original Contract and not affected by this Amendment shall remain in full force and effect.

Non-Collusion and Acceptance

The undersigned attests, subject to the penalties for perjury, that the undersigned is the Contractor, or that the undersigned is the properly authorized representative, agent, member or officer of the Contractor. Further, to the undersigned's knowledge, neither the undersigned nor any other member, employee, representative, agent or officer of the Contractor, directly or indirectly, has entered into or been offered any sum of money or other consideration for the execution of this Contract other than that which appears upon the face hereof**. Furthermore, if the undersigned has knowledge that a state officer, employee, or special state appointee, as those terms are defined in IC § 4-2-6-1, has a financial interest in the Contract, the Contractor attests to compliance with the disclosure requirements in IC § 4-2-6-10.5.**

Agreement to Use Electronic Signatures

I agree, and it is my intent, to sign this Contract by accessing State of Indiana Supplier Portal using the secure password assigned to me and by electronically submitting this Contract to the State of Indiana. I understand that my signing and submitting this Contract in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Contract and this affirmation. I understand and agree that by electronically signing and submitting this Contract in this fashion I am affirming to the truth of the information contained therein. I understand that this Contract will not become binding on the State until it has been approved by the Department of Administration, the State Budget Agency, and the Office of the Attorney General, which approvals will be posted on the Active Contracts Database: https://fs.gmis.in.gov/psp/guest/SUPPLIER/ERP/c/SOI_CUSTOM_APPS.SOI_PUBLIC_CNTRCTS.GBL

In Witness Whereof, the Contractor and the State have, through their duly authorized representatives, entered into this Contract. The parties, having read and understood the foregoing terms of this Contract, do by their respective signatures dated below agree to the terms thereof.

PROJECT LEAD THE WAY, INC.

DocuSigned by:
By:
DEB53FAE8FE5486...

Title: EVP & Chief Administrative Officer

Date: 2/3/2021 | 12:02 PST

Indiana Department of Education

DocuSigned by:
By: Tracy Brown
6F48CC506874466...

Title: Chief Financial Officer

Date: 2/10/2021 | 14:06 EST

Electronically Approved by: Department of Administration By: (for) Lesley A. Crane, Commissioner	
Electronically Approved by: State Budget Agency By: (for) Zachary Q. Jackson, Director	Electronically Approved as to Form and Legality by: Office of the Attorney General By: (for) Curtis T. Hill Jr., Attorney General

Exhibit B

Organization: Project Lead The Way (PLTW)
Contact Name: Sean Cosgrove
Contact Email: scosgrove@pltw.org

Scope of Work Narrative

PLTW will provide the workshops outlined below for Indiana middle school and high school teachers. PLTW will be reimbursed for training activities on a per participant basis in the amounts indicated in the attached budget. Reimbursements will only be provided for teachers of public and public charter schools. In general, registration priority should be given to teachers of public schools and public charters, as well as teachers at schools with no existing computer science programs or that have not participated in computer science professional development in the past. Workshops should take place in a variety of locations around the state where possible. While in-person training is preferred, online training is reimbursable excluding the travel costs associated with each program ($700/participant for Gateway and $1,500 per participant for Computer Science).

On a quarterly basis, PLTW will invoice the Indiana Department of Education (IDOE) for all reimbursable training activities to date. At that time, PLTW will provide IDOE with a training progress update. Additional updates (in-person or virtual) may be requested by IDOE on an as-needed basis. Members of IDOE may attend/observe any IDOE-funded workshop as desired.

Where applicable, PLTW will also allow the IDOE Computer Science Grant to pair with the PLTW Computer Science Grant in an effort to offset curriculum costs and/or training costs for additional teachers. PLTW will provide additional information on those additional teachers trained through the PLTW Computer Science Grant as the information becomes available.

PLTW Gateway (Middle School)

- Program: Computer Science for Innovators and Makers
    - Target Audience: 6-8 Educators
    - Target Number of Public Educators to be Trained: 125
- Program: App Creators
    - Target Audience: 6-8 Educators
    - Target Number of Educators to be Trained: 125

PLTW Computer Science (High School)

- Program: Computer Science Essentials

  - Target Audience: 9-12 Educators
  - Target Number of Public Educators: 20
- Program: Computer Science Principles
  - Target Audience: 9-12 Educators
  - Target Number of Public Educators: 30
- Program: Computer Science A
  - Target Audience: 9-12 Educators
  - Target Number of Public Educators: 20
- Program: Cybersecurity
  - Target Audience: 9-12 Educators
  - Target Number of Public Educators: 30

If training takes place virtually, travel funds may be utilized to purchase course materials/supplies or train additional teachers according to the information included below:

Middle School

- App Creators - This course would be granted at only the $1,200 amount to cover teacher professional development.
- Computer Science for Innovators and Makers - This course would be granted the originally proposed amount of $1,900. This would cover teacher professional development at $1,200 and an additional $700 for travel if in person training is selected next summer or equipment costs.

High School

These courses would be granted the originally proposed amount of $3,900. This would cover teacher professional development at $2,400 and an additional $1,500 to be used either for travel if in person training is selected or to be applied to equipment costs. If Computer Science A is selected, the additional funds could be used to train a second teacher or to purchase PLTW supplies for a different PLTW CS course.

- Computer Science Essentials
- Cybersecurity
- Computer Science Principles (new 2020-21 school year)

This contract shall begin on May 1, 2020, and expire on July 31, 2022. PLTW may be eligible for an extension or renewal at the IDOE’s option.

Activity		Target Number of Participants (If all In-person)	Cost Per Participant	Total Cost
PLTW Gateway (Middle School)	Computer Science for Innovators and Makers	125	$1,900.00	$237,500.00
	App Creators	125	$1,900.00	$237,500.00
PLTW Computer Science (High School)	Computer Science Essentials	20	$3,900.00	$78,000.00
	Computer Science Principles	30	$3,900.00	$117,000.00
	Computer Science A	20	$3,900.00	$78,000.00
	Cybersecurity	30	$3,900.00	$117,000.00
Total		**350**		**$865,000.00**

*Per participant costs include tuition and travel expenses. For middle school, this is $1,200 for tuition and $700 for travel. For high school, this is $2,400 for tuition and $1,500 for travel.
**If the virtual option is chosen, travel funds may be utilized to purchase course supplies/material per the information included in the Scope of Work.

Indiana
DEPARTMENT OF EDUCATION
Dr. Jennifer McCormick
Superintendent of Public Instruction
Working Together for Student Success

MEMORANDUM

To: Honorable Eric J. Holcomb, Governor of Indiana
Dr. Jennifer McCormick, State Superintendent of Public Instruction

From: Jake Koressel, Computer Science Specialist
Jennifer Jensen, PhD, Director of Teaching and Learning
Robin LeClaire, Chief Academic Officer

Date: January 8, 2021

Re: IC 20-20-45 NextLevel Computer Science Program Bi-Annual Report

Background

IC 20-20-45 established the NextLevel computer science grant program (program) and computer science fund (fund) to award grants, after June 30, 2019, to eligible entities to implement teacher professional development programs for training in teaching computer science (CS). This requires the Indiana Department of Education (IDOE) to: (1) administer the program and fund, and (2) develop, in consultation with the Governor's Office, guidelines to award grants from the fund to eligible entities.

Additionally, IC 20-20-45 requires:
- Not later than August 1, 2018, the State Superintendent of Public Instruction to enter into a contract for professional development services.
- IDOE to biannually submit a progress report to the Governor regarding the:
  1. development and administration of the program and fund, and
  2. status of public schools in meeting computer science curriculum requirements. This biannual report must be submitted by July 15, 2018 and not later than July 15th and January 15th each year thereafter.

Development and Administration of the Program and Fund

Timeline
- April 2018
  - IDOE completed the special procurement process with Nextech
  - IDOE funded $70,000 for start-up of Nextech contract
  - State Board of Education (SBOE) approved IDOE-recommended CS course additions
  - Announcement STEM Acceleration Grant - Cohort 1 recipients
- May 2018
  - First CSforIN Summit: www.CSforIN.org

  - IDOE met with Nextech, the Governor's Office, and other stakeholders to discuss Nextech budget forecast
  - IDOE awarded grants to seven schools to implement the Project Lead The Way (PLTW) Cybersecurity Pilot Program
  - IDOE published computer science professional development opportunities (continuously updated): https://www.doe.in.gov/wf-stem/cspd
- June 2018
  - First IDOE-sponsored Computer Science Fundamentals workshop takes place
  - Computer Science Specialist position begins at IDOE
  - Memo to the field regarding CS requirements and support
- July 2018
  - 2018 CSforAll Letter of Commitment
  - Strategic CSforALL Resource and Implementation Planning Tool (SCRIPT) Train-the-Trainer Workshop at Pathfinders Institute for IDOE and Educational Service Centers
  - Attendance at Computer Science Teachers Association (CSTA) Conference
- August 2018
  - Indiana Course Access Portal (iCAP) enrollments begin - computer science is included in course options: https://www.doe.in.gov/icap
  - State-Level Partnership with Girls Who Code begins
  - Identification of Computer Science Champs
  - Memo to the field regarding CS requirements and support
  - Development of two-day "Integrating CS in Middle School" workshop
  - Updated Computer Science Assignment Codes
- September 2018
  - In conjunction with OMB and the Governor's Office, IDOE finalized Nextech contract amendment - additional $600,000 (Appendix A)
  - First IDOE-sponsored SCRIPT workshop takes place
- October 2018
  - Attendance at CSforALL Summit
  - First IDOE-sponsored Integrating CS in Middle School workshop takes place
- November 2018
  - Launch of IDOE STEM Six-Year Strategic Plan
  - Established CS Training Badge for IDOE-sponsored workshop participants
  - Announcement of STEM Acceleration Grant - Cohort 2 recipients
  - Development of State CS Plan in accordance with the Code.org Advocacy Coalition's Nine Policies
  - CS Champs meet to begin development of middle school CS course
- December 2018
  - Attendance at National Initiative for Cybersecurity Education (NICE) K-12 Conference

    - Announcement of IDOE/PLTW Cybersecurity Grant recipients
    - Computer Science Education Week activities promoted by IDOE
    - Call for applicants to participate in "Computational Thinking for Every Educator" online course
    - Approval of the addition of PLTW Cybersecurity to Indiana's Course Description Guide
    - Updates to the CTE funding memo impacting computer science courses
- January 2019
    - Indiana named the third state to adopt all nine Code.org Advocacy Coalition Policy Recommendations
- February 2019
    - IDOE-sponsored Computer Science Curriculum Showcase
- March 2019
    - State Vex Robotics Competition
    - 50 educators complete "Computational Thinking for Every Educator" course
- April 2019
    - 0488 Computer Science - Middle Level is approved by the SBOE
    - SBOE adopts committee recommendations allowing computer science courses to fulfill Core 40 requirement for third-year science
    - Nextech contract amended to include additional summer 2019 projects
    - STEM Plan Playbook developed, including computer science and cybersecurity
    - CS Champs meet to begin developing CS portion of Science Framework
    - Computer Science Assignment Codes updated to provide additional flexibility
    - Biennial budget is finalized including $3,000,000 annually for the Next Level Computer Science Grant Program
- May 2019
    - Letter of Intent submitted to the Indiana Department of Administration for Computer Science Professional Development RFP
    - Memo to the field regarding CS requirements and support
- June 2019
    - Phase 1 of Science Framework released, including K-8 Computer Science Standards (https://www.doe.in.gov/science/framework)
    - Attendance at State Computer Science Supervisors Workshop
    - Attendance at Arkansas' National Computer Science Summit for State Leaders
    - RFP Released for K-12 Teacher Professional Development in Computer Science
    - STEM Certification Rubric Updates include compliance with IC 20-30-5-23
- July 2019
    - 2019 CSforALL Letter of Commitment
    - Attendance at Computer Science Teachers Association (CSTA) Conference
    - Attendance at Cybertech Midwest Conference
    - New course completion data collected

- August 2019
    - K-12 Computer Science Professional Development RFP submissions scored
    - Computer science assignment codes updated to provide additional licensing flexibility
    - Identification of five additional Computer Science Champs
- September 2019
    - K-12 Computer Science Professional Development RFP awardees publicly notified
    - IDOE publishes vetted list of STEM and computer science curriculum
    - Attendance at CSEdCon International Computer Science Education Conference
- October 2019
    - IDOE-sponsored STEM and Computer Science Curriculum Showcase
- November 2019
    - Superintendent of Public Instruction Dr. Jennifer McCormick releases 2020 Legislative Priorities for IDOE including requiring educator preparation programs to prepare new practitioners in state-recognized computer science programs
    - Attendance at CS Policy Academy co-hosted by Education Commision of the States (ECS) and the College Board
- December 2019
    - Attendance at NICE K-12 Cybersecurity Education Conference
    - Announcement of STEM Acceleration Grant - Cohort 3 recipients
    - Updates to the CTE funding memo impacting computer science courses
- January 2020
    - Announcement of STEM Acceleration Grant - Cohort 4 recipients
    - IDOE hosts meeting with representatives from Indiana Educator Preparation Programs to discuss CS in the pre-service teacher education experience
- February 2020
    - Tech Plan Survey questions updated to include K-8 CS implementation details
- April 2020
    - Plans made to shift all summer 2020 computer science professional development opportunities to a virtual format due to the COVID-19 global pandemic
    - Elementary CS course codes created and approved by SBOE
    - Group of Elementary CS teachers convene to begin development of K-5 CS Framework
- May 2020
    - Virtual STEM and Computer Science Showcase conducted
- June 2020
    - Attendance at virtual State Computer Science Supervisors Workshop
    - Various IDOE-sponsored professional development experiences offered through partner providers
    - Announcement of STEM Acceleration Grant - Cohort 5 Recipients
    - Expansion of vetted STEM and Computer Science curriculum list
- July 2020

  - Attendance at Computer Science Teachers Association Conference
  - New course completion data collected
  - Establishment of #CSforIN monthly newsletter
- August 2020
  - Survey of schools not in compliance with IC 20-30-5-23 to determine areas of need
- September 2020
  - IDOE opens applications for additional providers to be added to the list of Vetted STEM and computer science curriculum
- October 2020
  - Inclusion of elementary computer science courses in Elementary and Middle Level Subject Descriptions
  - Present Indiana's Story in 2020 State CS Policy Forum
- November 2020
  - Submission of first SEA 295 (2020) report on computer science including enrollment trends and instructor information

Training Snapshot by Provider

CodeHS (See Appendix B)

CodeHS Computer Science Training Numbers (Current as of 12/28/2020)		
Workshop	**Description**	**Number Trained**
New CS Teacher Workshop	Two-day workshop focused on high school teachers that will be teaching a computer science course for the first time	21
Computer Science Principles Workshop	Two-day workshop focused on high school teachers that will be teaching AP Computer Science Principles or Computer Science I	4
Computer Science A Workshop	Two-day workshop focused on high school teachers that will be teaching AP Computer Science A or Computer Science II	6
Cybersecurity Workshop	Two-day workshop focused on high school teachers that will be teaching Computer Science III: Cybersecurity or will be integrating cybersecurity content into other courses	6
Coding Bootcamp	Month-long, intensive, asynchronous session focused on building programming skills	13
Total Educators Impacted		**50**

Indiana University School of Informatics and Computing (See Appendix C)

Indiana University SOIC Computer Science Training Numbers (Current as of 12/28/2020)

Workshop	Description	Number Trained
Computing by Design Workshop	11-day program intended to help high school teachers implement the Computing by Design (CxD) curriculum of the Informatics Diversity-Enhanced Workforce (iDEW) program.	75
Total Educators Impacted		**75**

IndianaComputes! (See Appendix E)

IndianaComputes! Computer Science Training Numbers (Current as of 12/28/2020)

Workshop	Description	Number Trained
Elementary	Year-long program intended to build teacher CS content knowledge that culminates in a week-long curriculum development experience.	86
Middle		25
High		47
Multi-Grade/Other		36
Total Educators Impacted		**194**

Nextech (See Appendix A and Appendix D)

Nextech Contract #1 - Computer Science Training Numbers (June 2018 - July 2019)

Workshop	Description	Number Trained
Computer Science Principles (CSP)	Nine-day professional development experience for high school teachers including five-day intensive training in the summer followed by quarterly Saturday workshops during the school year	44
Computer Science Discoveries (CSD)	Nine-day professional development experience for middle and high school teachers including five-day intensive training in the summer followed by quarterly Saturday workshops during the school year	60
Integrating CS in Middle School (ICS)	One- or two-day workshop targeting middle school teachers	207
Computer Science Fundamentals (CSF)	One- or two-day workshop targeting elementary teachers	744
SCRIPT (districts)	One- or two-day workshop for district teams	66

Cybersecurity Workshop	Three-day cybersecurity training for high school teachers including one day of industry exposure	32
Java Workshop	Four-day intensive Java training for high school teachers	14
Classroom to Career Experiences	One-day computer science industry experiences for K-12 teachers	37
Total Educators Impacted		**1204**

Nextech Contract #2 - Computer Science Training Numbers (October 2019 - Present)

Workshop	Description	Number Trained
Computer Science Principles (CSP)	Nine-day professional development experience for high school teachers including five-day intensive training in the summer followed by quarterly Saturday workshops during the school year	27
CSP Refresher	Two-day workshop for those who have participated in an initial CSP training but want to learn about changes to the course and associated exam	20
Computer Science Discoveries (CSD)	Nine-day professional development experience for middle and high school teachers including five-day intensive training in the summer followed by quarterly Saturday workshops during the school year	59
Integrating CS in Middle School (ICS)	One- or two-day workshop targeting middle school teachers	26
Elementary Workshops	One- or two-day workshop targeting elementary teachers	559
SCRIPT (districts)	One- or two-day workshop for district teams	49
Cybersecurity Workshop	Three-day cybersecurity training for high school teachers	10
CSAwesome (Java)	Five-day intensive Java training for high school teachers	22
WeTeach_CS Licensure Prep	Five-day preparation course for teachers seeking the CS license addition	26
Total Educators Impacted		**798**

Project Lead The Way (See Appendix F)

Project Lead The Way Computer Science Training Numbers (Current as of 12/28/2020)		
Workshop	**Description**	**Number Trained**
Computer Science for Innovators and Makers	Five-day training for middle school teachers teaching a computer science course	25
App Creators		22
Computer Science Essentials	Up-to 10-day training for high schools teaching introductory computer science	8
Computer Science Principles	Up-to 10-day training for high schools teaching AP CS Principles or Computer Science I	14
Computer Science A	Up-to 10-day training for high schools teaching AP CS A or Computer Science II	5
Cybersecurity	Up-to 10-day training for high schools teaching Computer Science III: Cybersecurity	12
Total Educators Impacted		**86**

**Approximately 2,407 Indiana K-12 educators have received computer science training through partnerships between IDOE and the above mentioned providers as of December 28, 2020.

Status of Public Schools in Meeting Computer Science Curriculum Requirements

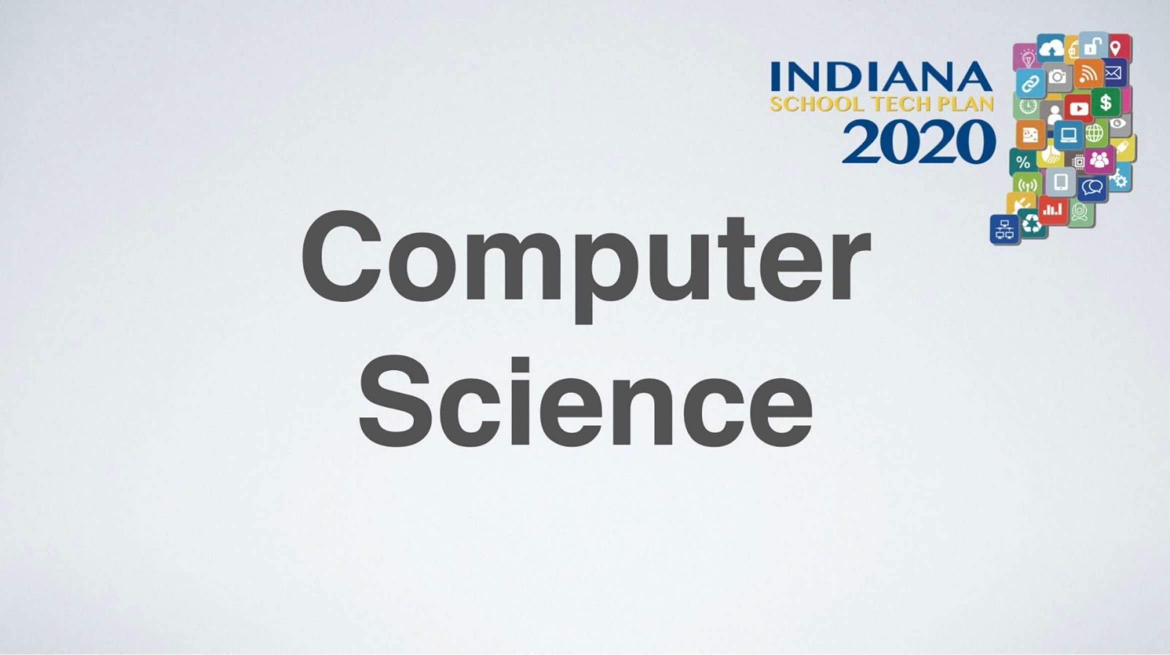
Grades K-8

Prior to SEA 172 (2018), there was limited availability of computer science-specific data for grades K-8. IDOE has identified the following as currently available indicators of progress at the K-8 levels.

TEACHERS TRAINED IN CURRICULUM APPROPRIATE FOR MIDDLE SCHOOL (Projections through Summer 2020)	
Computer Science Discoveries	119
Integrating CS in Middle School	233
Computer Science Fundamentals	1303
CS for Innovators and Makers	25
App Creators	22

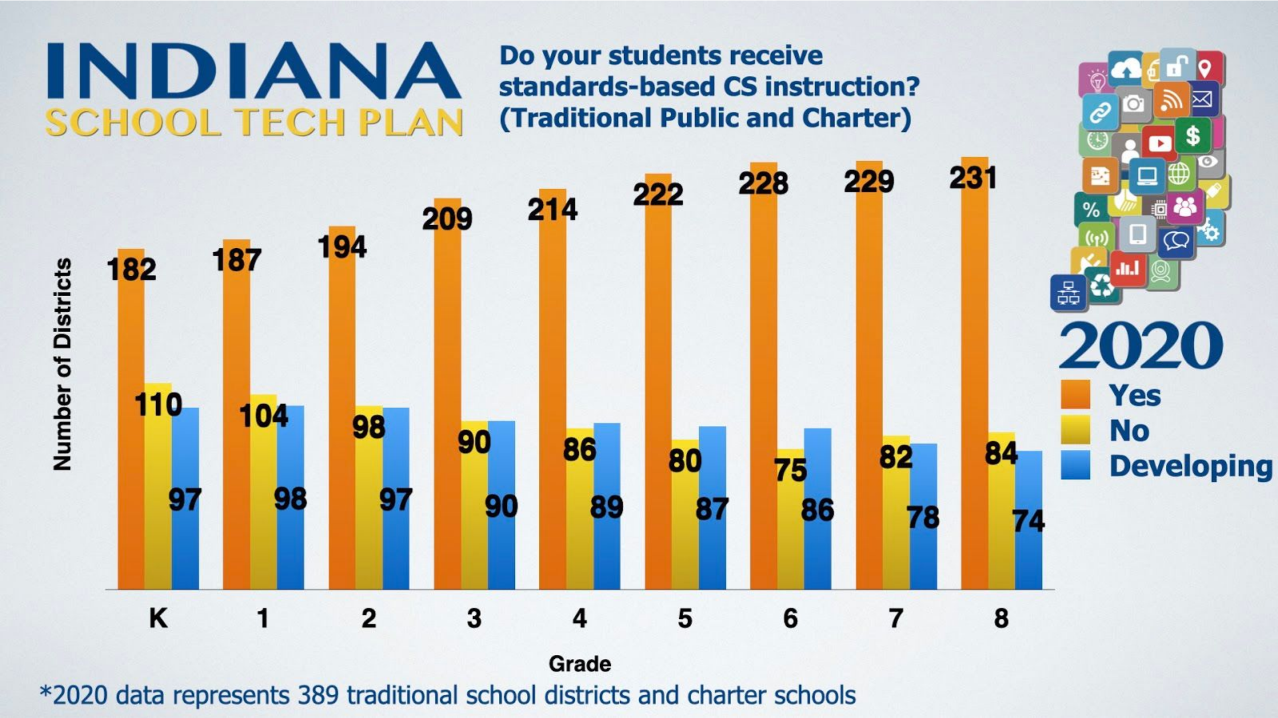
RELEVANT MS COURSE ENROLLMENT TRENDS						
Course	Year					
	2014-15	2015-16	2016-17	2017-18	2018-19	2019-2020
Middle Level CS	-	-	-	-	-	8714
Introduction to CS	311	1	21	80	250	1084

Additionally, IDOE added K-8 computer science-related questions to the annual Tech Plan Survey. Visual representations of the results can be found below.



INDIANA
SCHOOL TECH PLAN
2020

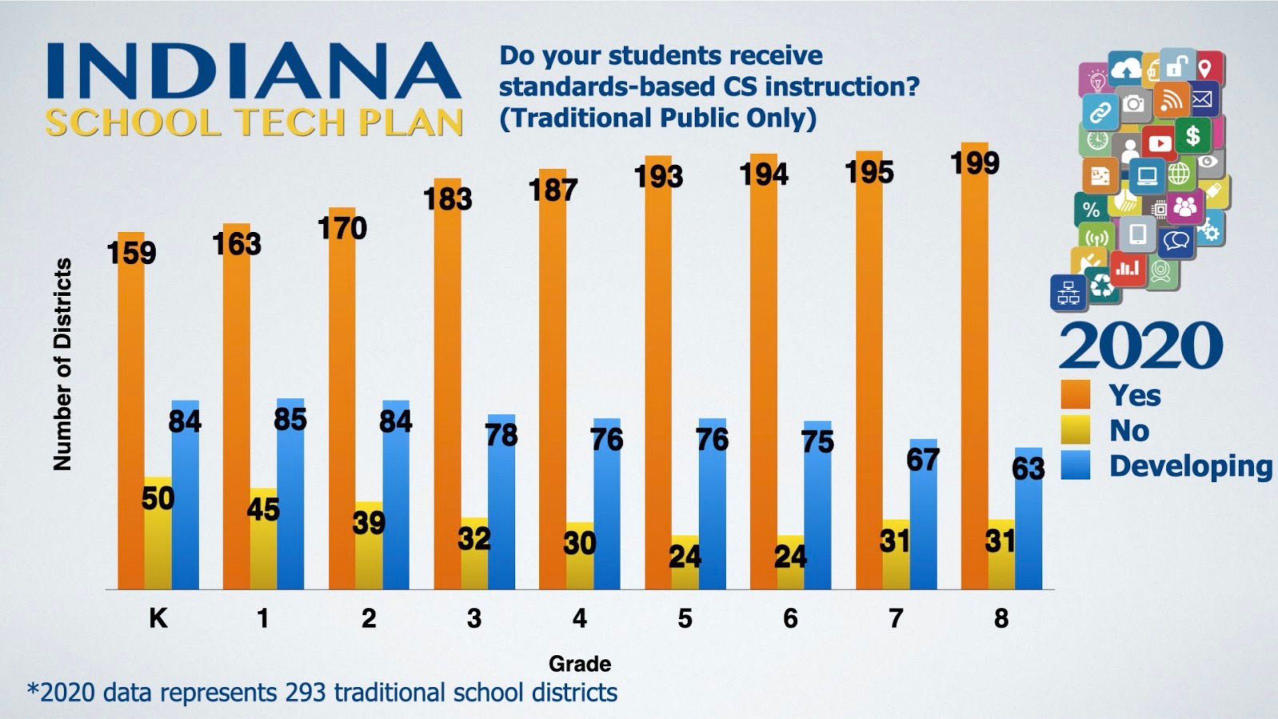
Computer Science



INDIANA SCHOOL TECH PLAN

Do your students receive standards-based CS instruction? (Traditional Public and Charter)

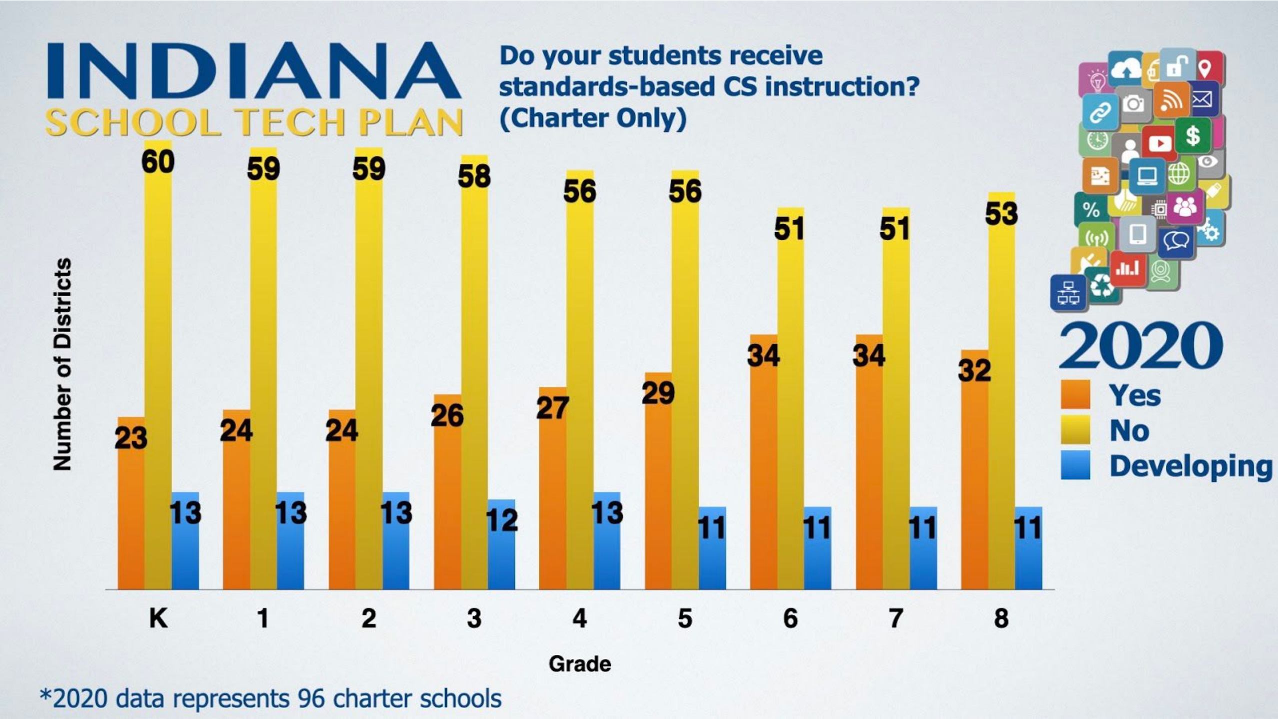
*2020 data represents 389 traditional school districts and charter schools



INDIANA SCHOOL TECH PLAN

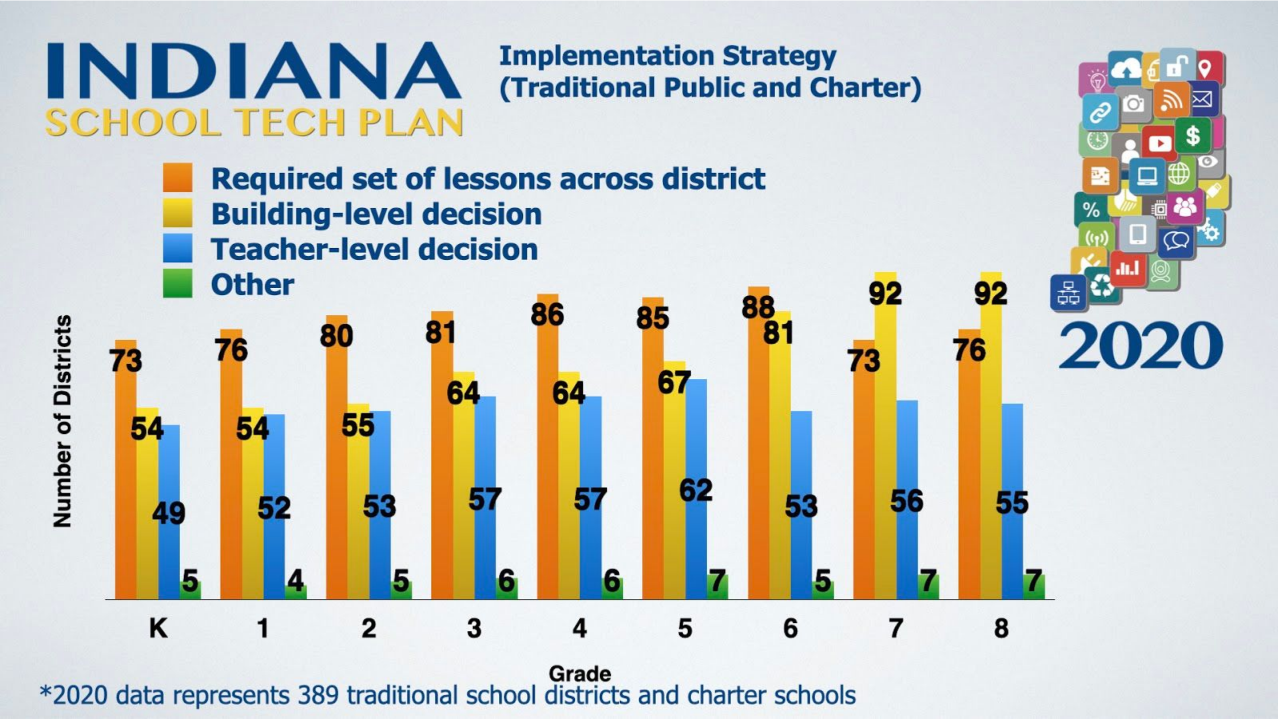
Do your students receive standards-based CS instruction? (Traditional Public Only)

*2020 data represents 293 traditional school districts


INDIANA SCHOOL TECH PLAN

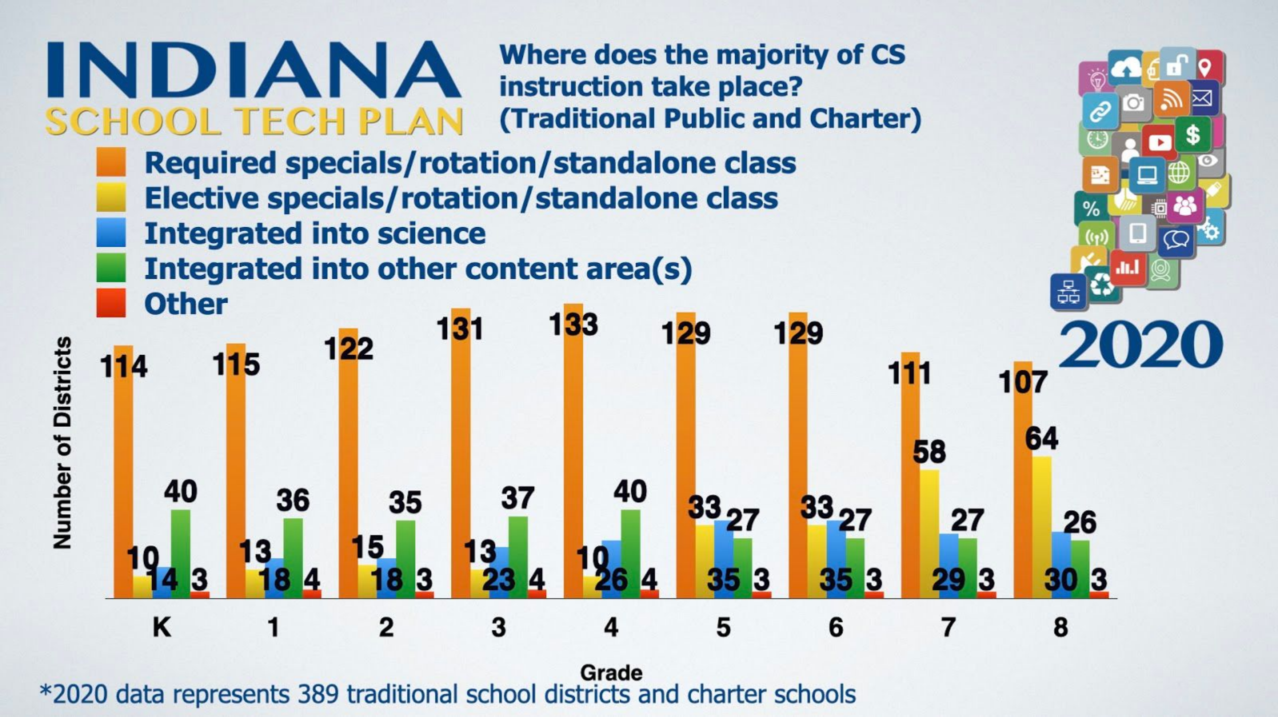
Do your students receive standards-based CS instruction? (Charter Only)

*2020 data represents 96 charter schools


INDIANA SCHOOL TECH PLAN

Implementation Strategy (Traditional Public and Charter)

*2020 data represents 389 traditional school districts and charter schools



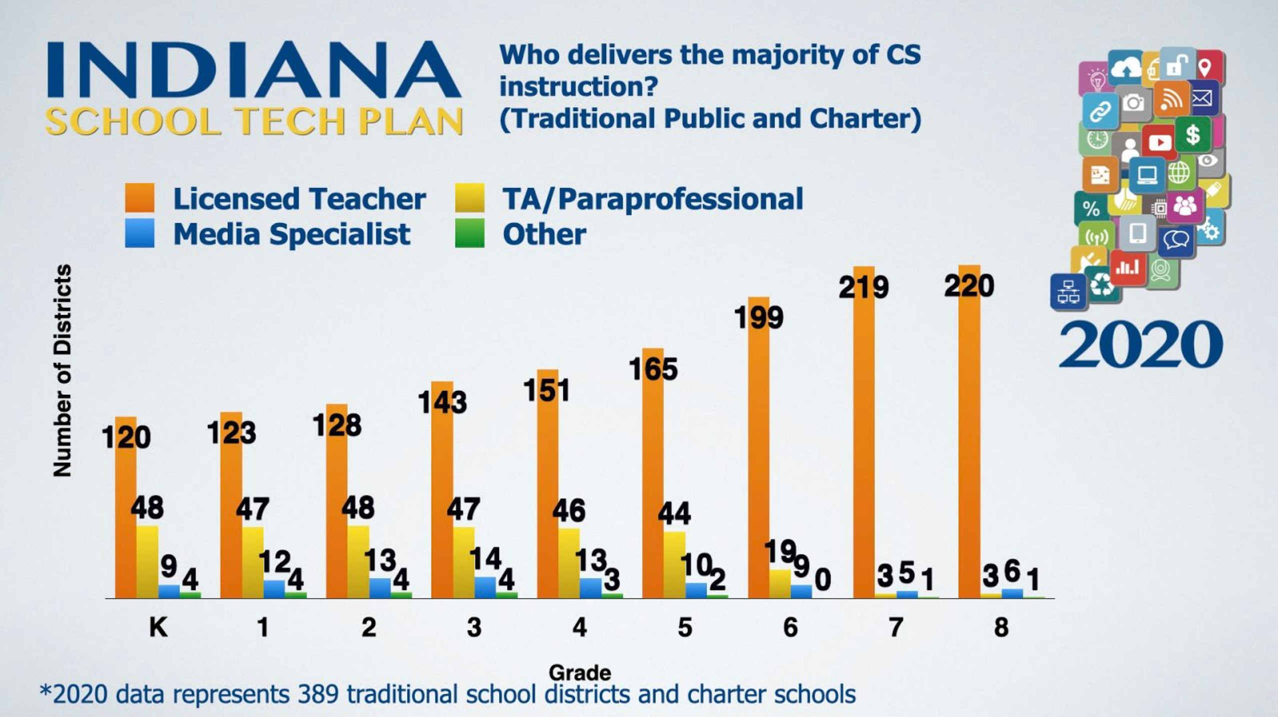
INDIANA
SCHOOL TECH PLAN

Where does the majority of CS instruction take place? (Traditional Public and Charter)

- 🟧 Required specials/rotation/standalone class
- 🟨 Elective specials/rotation/standalone class
- 🟦 Integrated into science
- 🟩 Integrated into other content area(s)
- 🟥 Other

2020

*2020 data represents 389 traditional school districts and charter schools



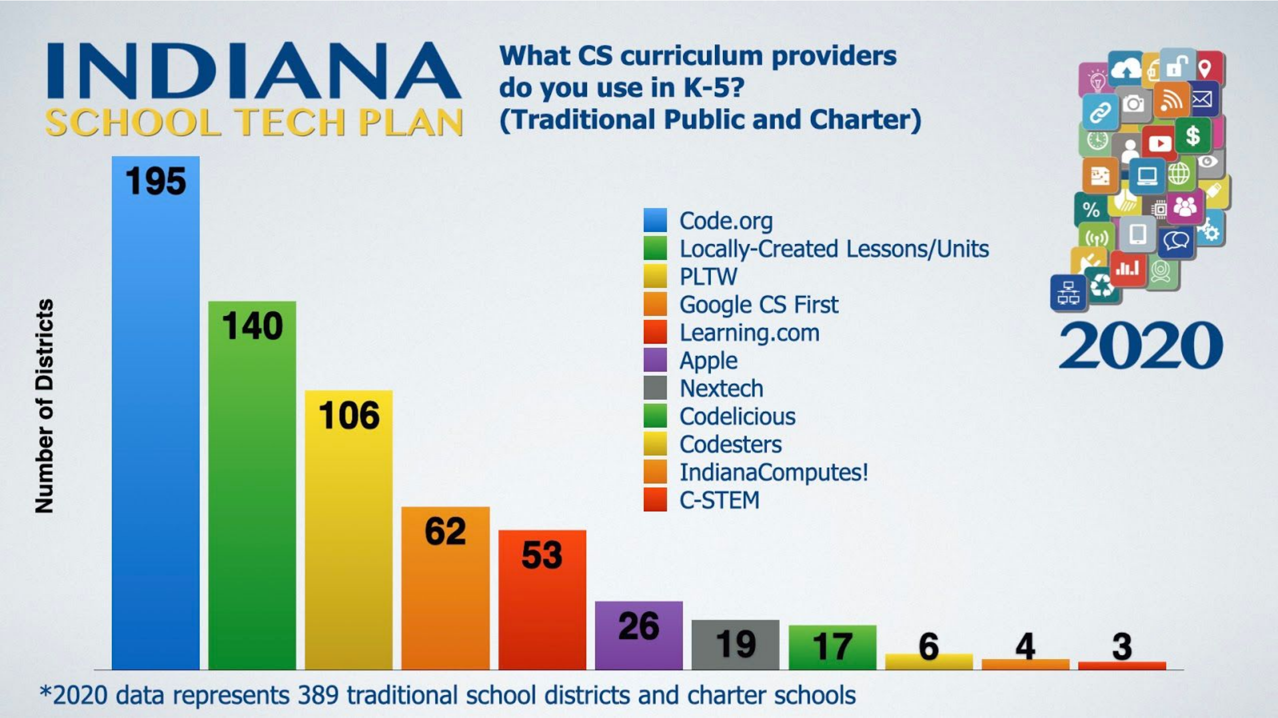
INDIANA
SCHOOL TECH PLAN

Who delivers the majority of CS instruction? (Traditional Public and Charter)

- 🟧 Licensed Teacher
- 🟨 TA/Paraprofessional
- 🟦 Media Specialist
- 🟩 Other

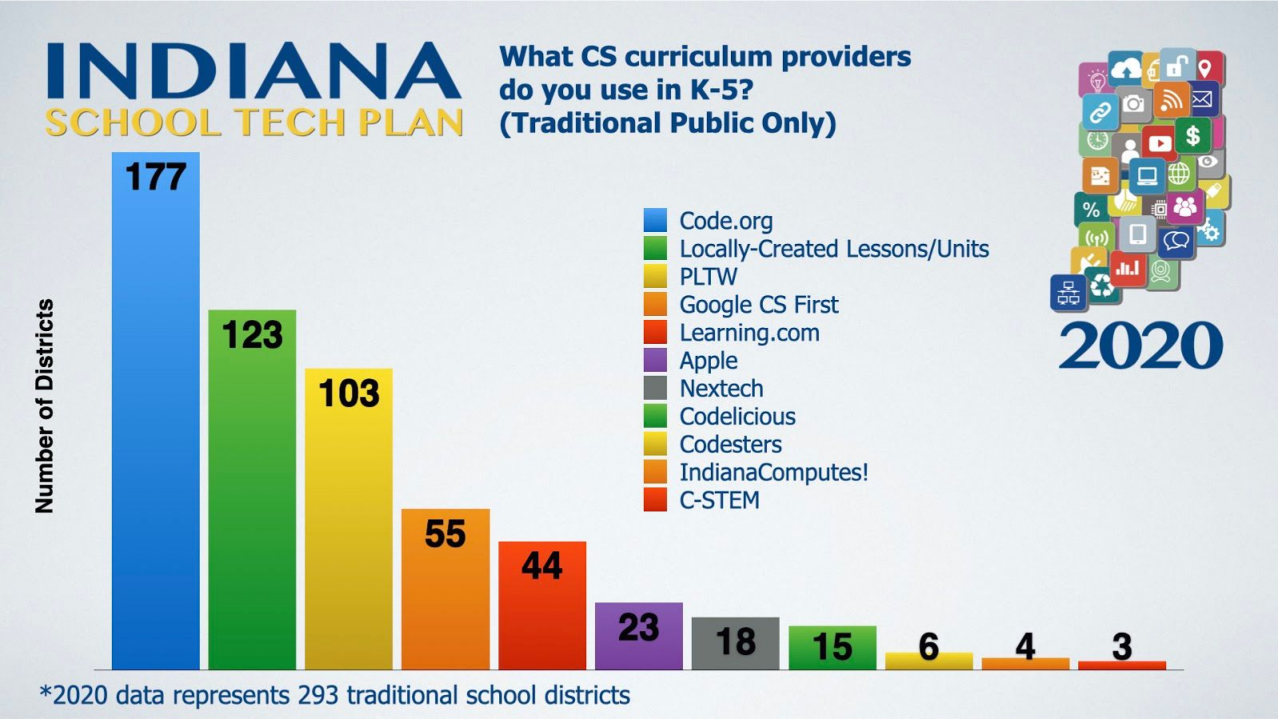
2020

*2020 data represents 389 traditional school districts and charter schools



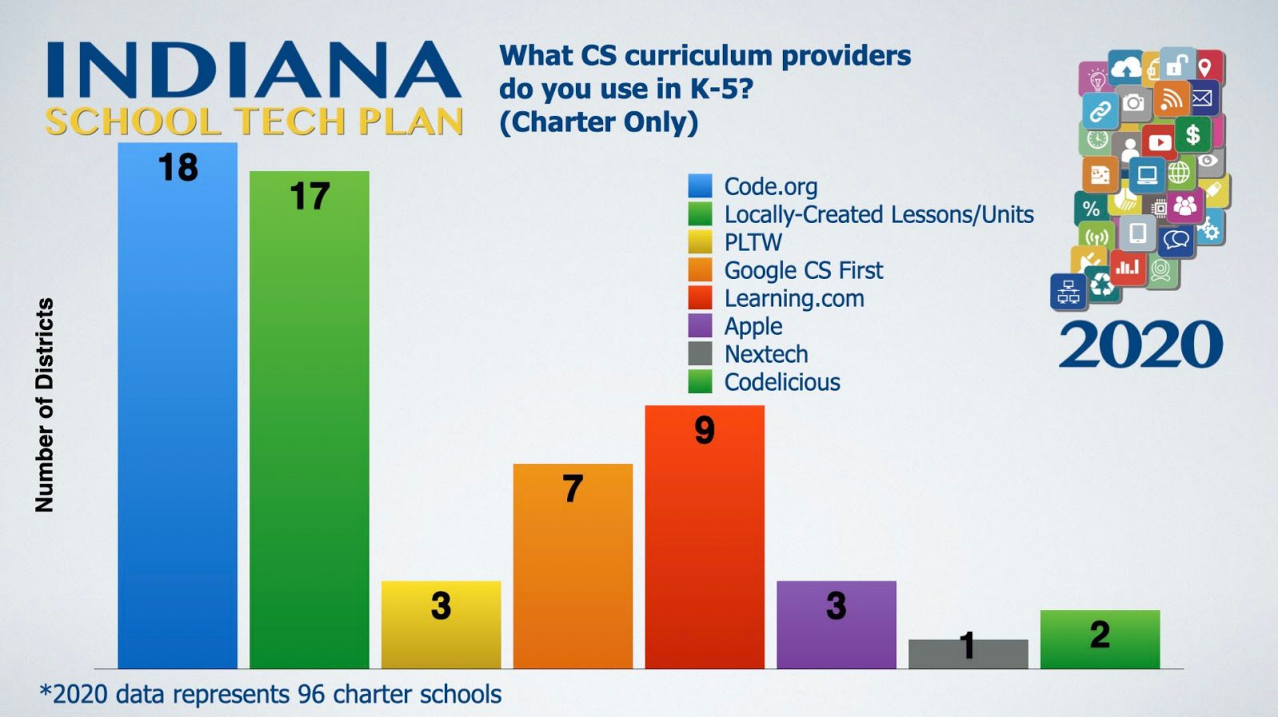
What CS curriculum providers do you use in K-5? (Traditional Public and Charter)

*2020 data represents 389 traditional school districts and charter schools



What CS curriculum providers do you use in K-5? (Traditional Public Only)

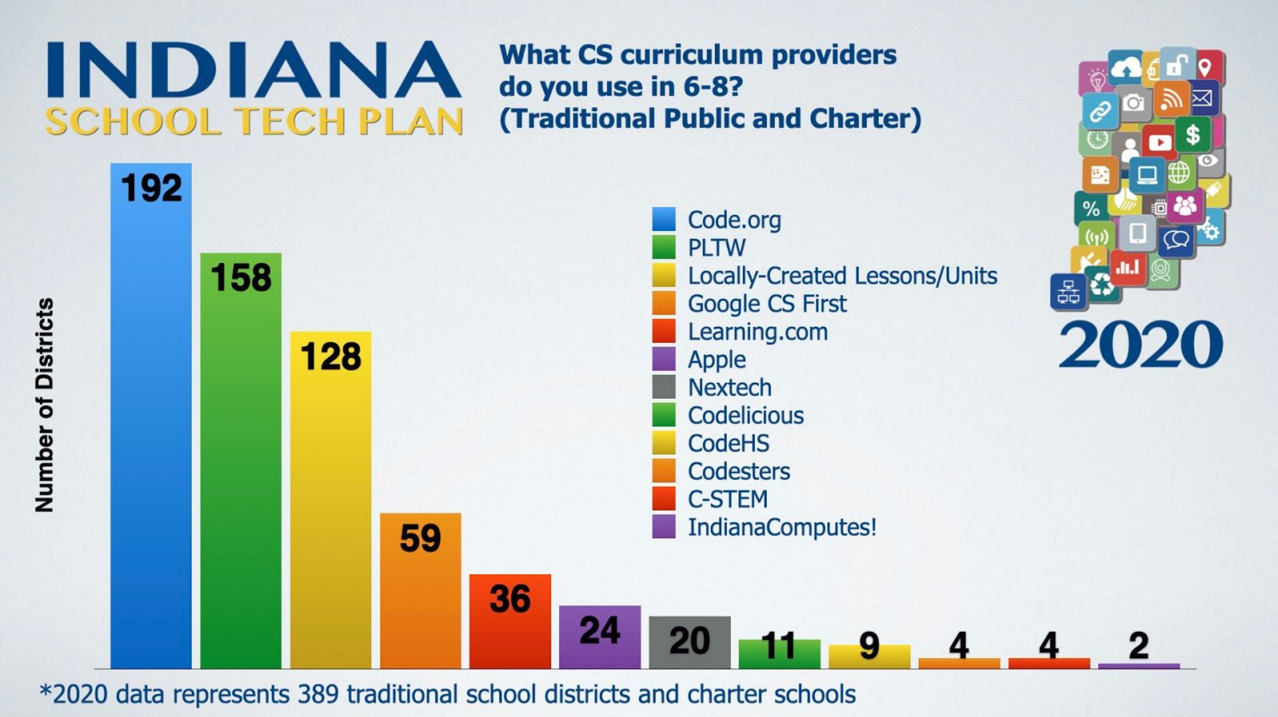
*2020 data represents 293 traditional school districts


INDIANA
SCHOOL TECH PLAN

What CS curriculum providers do you use in K-5? (Charter Only)

2020

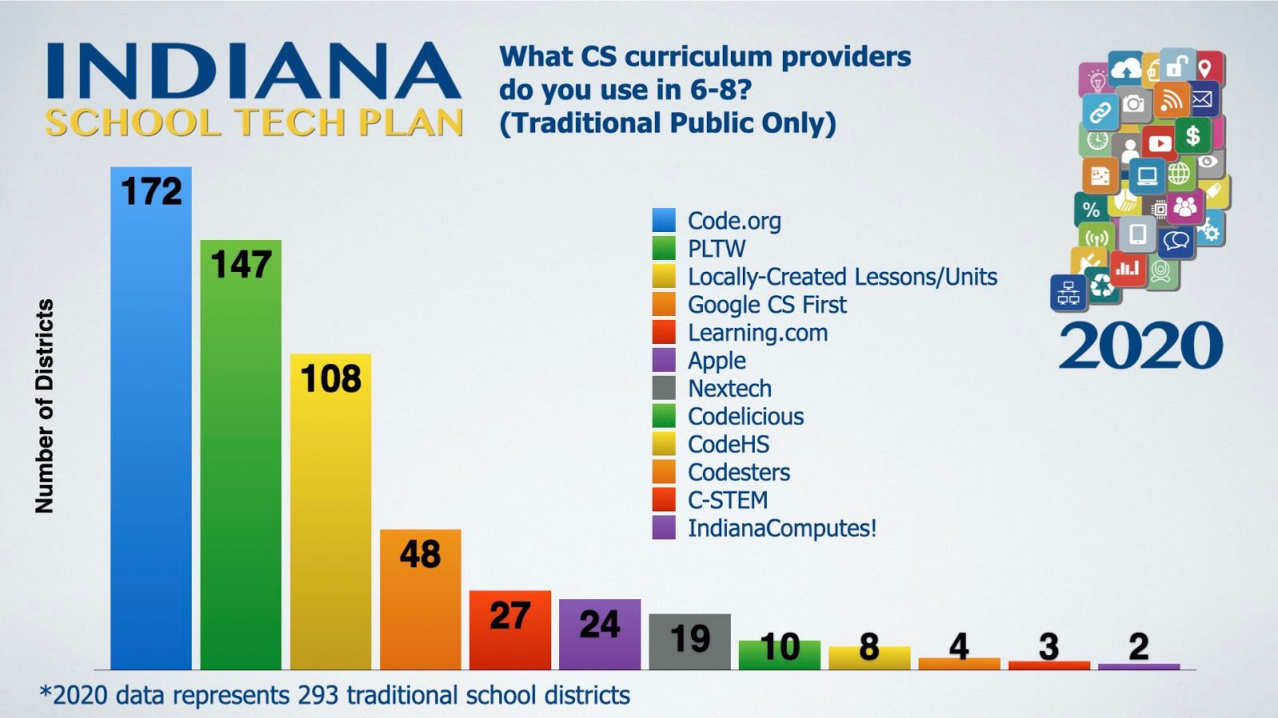
*2020 data represents 96 charter schools


INDIANA
SCHOOL TECH PLAN

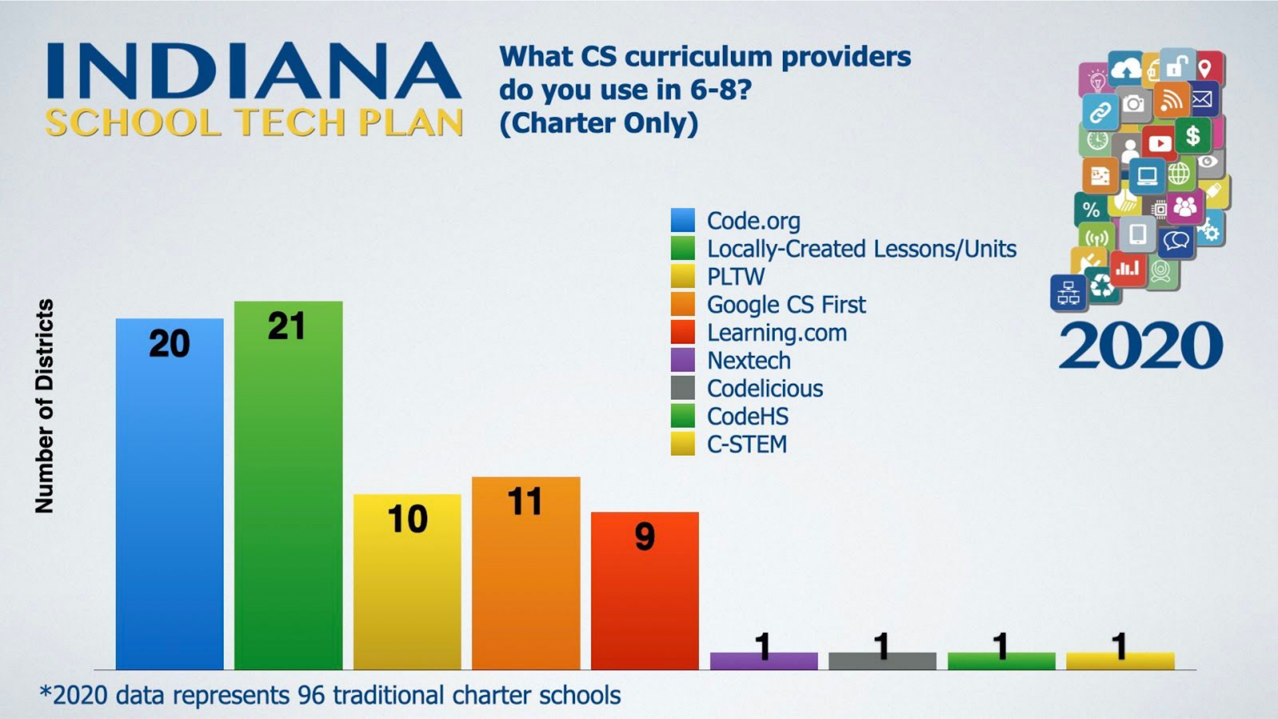
What CS curriculum providers do you use in 6-8? (Traditional Public and Charter)

2020

*2020 data represents 389 traditional school districts and charter schools



*2020 data represents 293 traditional school districts



*2020 data represents 96 traditional charter schools

**The next round of Tech Plan data will be collected in the spring of 2021

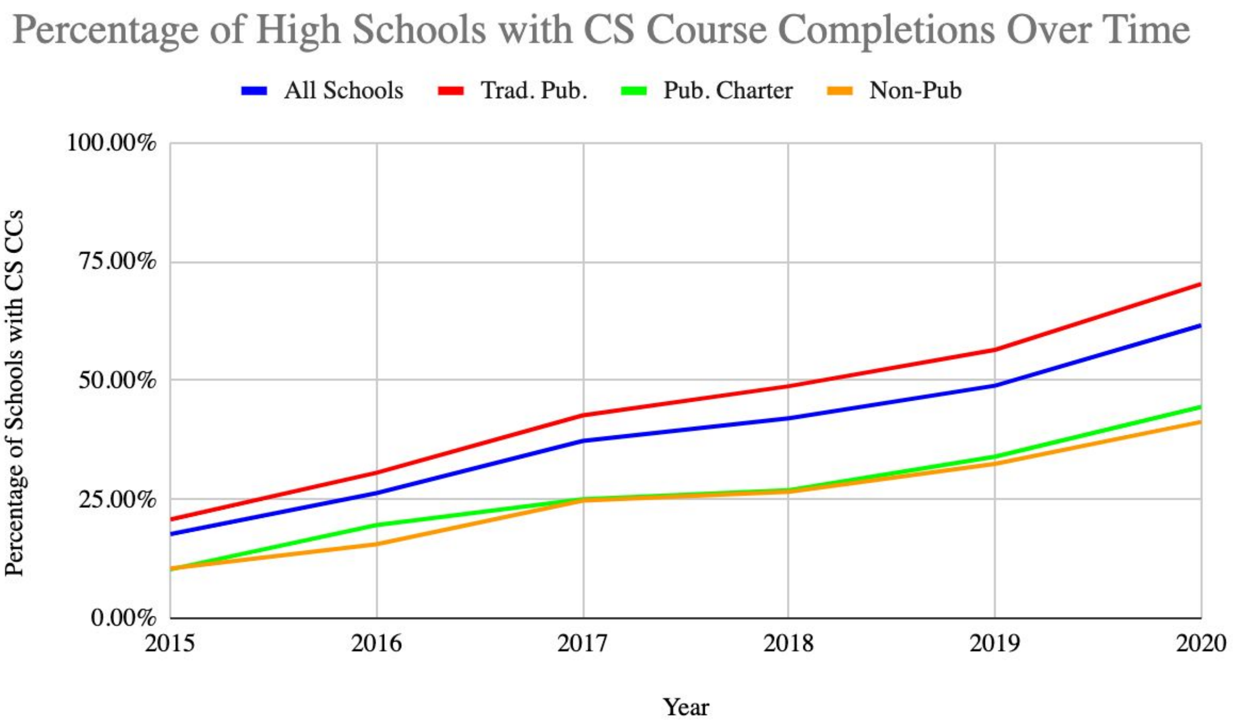
Grades 9-12

ALL SCHOOLS			
Year	# of Schools	# of Schools Offering At Least 1 CS Course	% of School
2015	532	94	18%
2016	536	141	26%
2017	534	199	37%
2018	545	229	42%
2019	548	268	49%
2020	544	335	62%

TRADITIONAL PUBLICS			
Year	# of Schools	# of Schools Offering At Least 1 CS Course	% of School
2015	376	78	21%
2016	376	115	31%
2017	375	160	43%
2018	373	182	49%
2019	372	210	56%
2020	374	263	70%

CHARTER PUBLICS			
Year	# of Schools	# of Schools Offering At Least 1 CS Course	% of School
2015	39	4	10%
2016	46	9	20%
2017	48	12	25%
2018	52	14	27%
2019	53	18	34%
2020	54	24	44%

NON PUBLIC SCHOOLS			
Year	# of Schools	# of Schools Offering At Least 1 CS Course	% of School
2015	105	11	10%
2016	103	16	16%
2017	101	25	25%
2018	109	29	27%
2019	114	37	32%
2020	109	45	41%

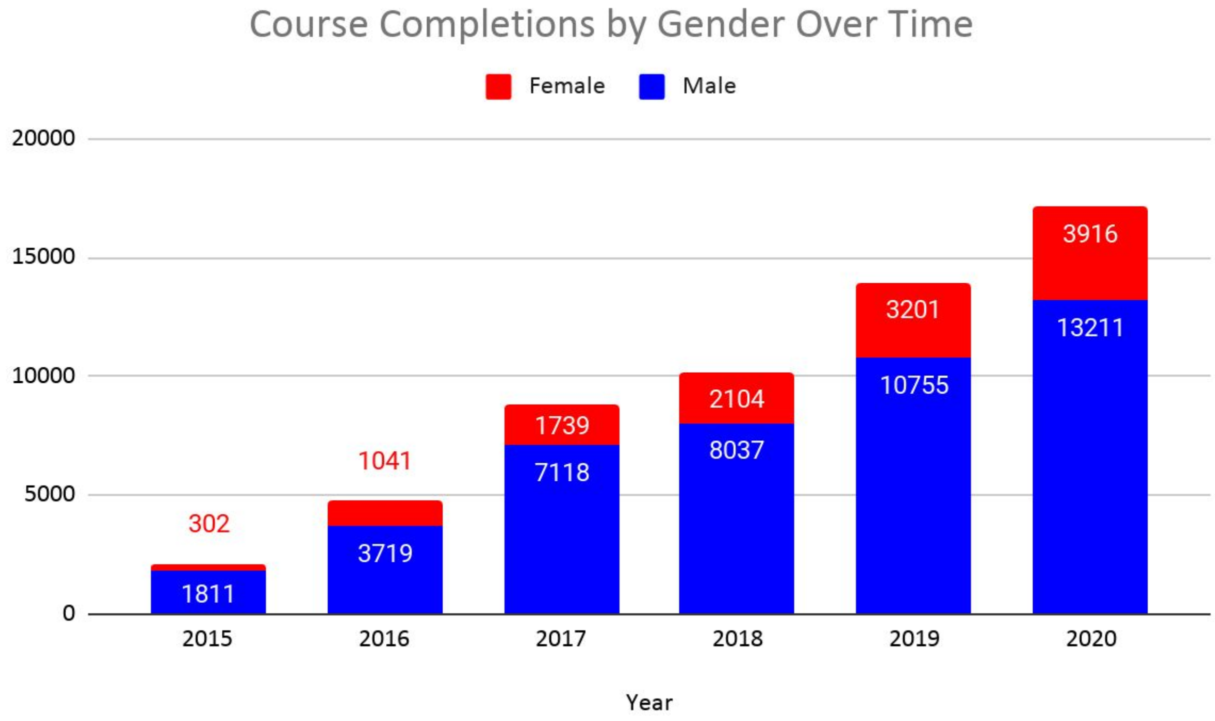


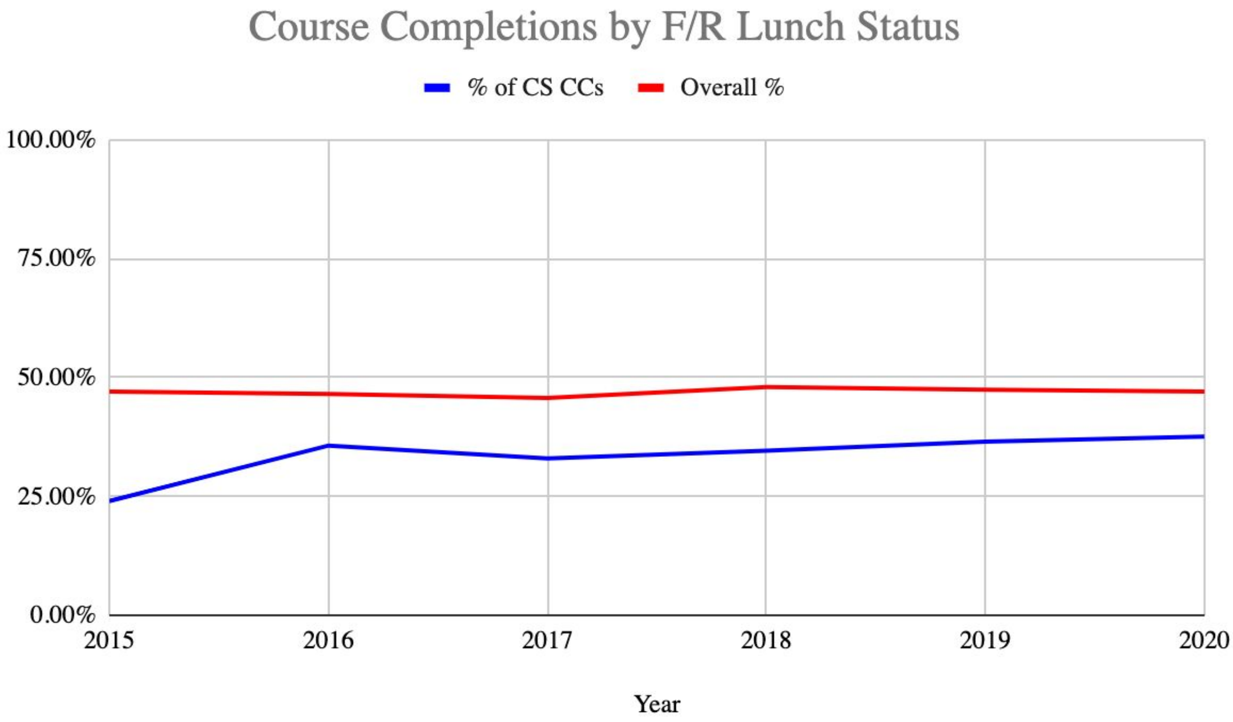
CHARTER PUBLIC SCHOOLS **WITHOUT** A CS COURSE											
2014-15		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
37	86%	37	77%	35	70%	38	69%	35	66%	30	56%

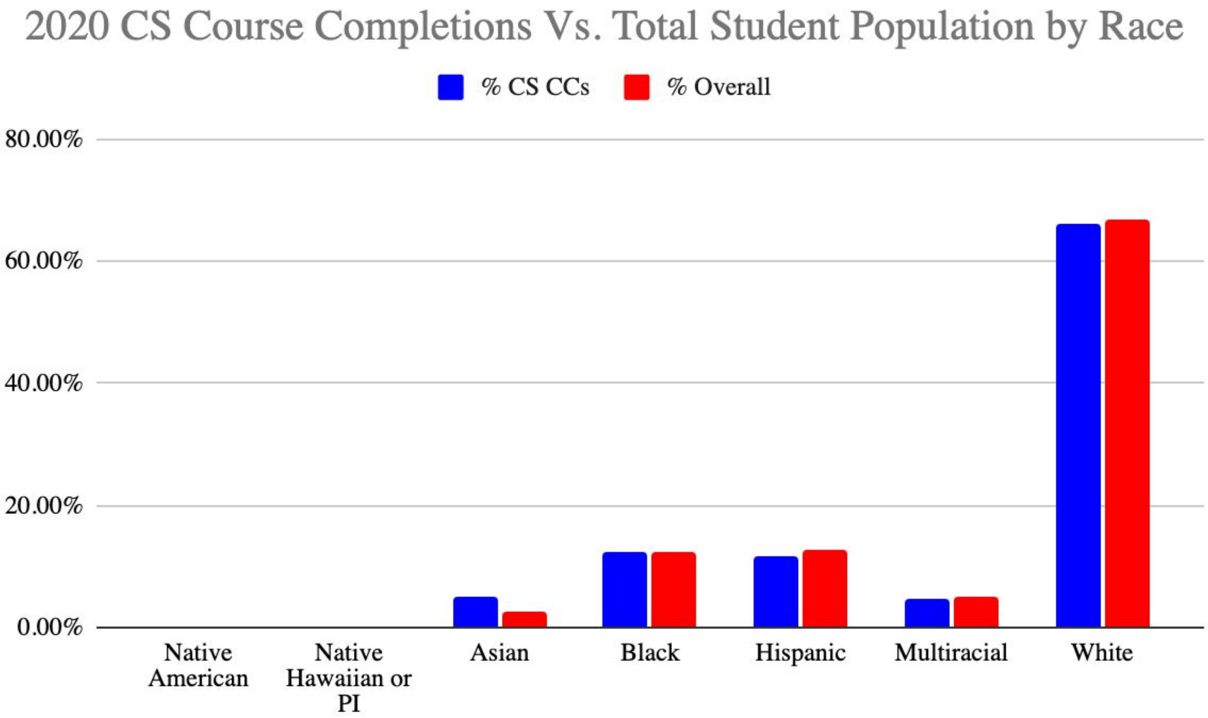
NON-PUBLIC SCHOOLS **WITHOUT** A CS COURSE											
2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
80	87%	74	82%	61	71%	55	65%	68	63%	64	59%

2019-2020 COUNTIES WITH NO CS OFFERED IN TRAD PUBLIC HS **(Eight less than 2018-2019)**		
Blackford	Rush	Union
Park	Starke	Vermillion
[redacted]	[redacted]	Warren

All Schools Course Completions by High School Course						
Course	**School Year**					
	2014-15	**2015-16**	**2016-17**	**2017-18**	**2018-19**	**2019-20**
Introduction to CS	292	1428	2448	3553	5357	7585
CS I	283	1592	3779	3596	4877	5100
CS II	638	753	935	914	956	1035
CS III: Special Topics	0	0	0	120	195	0
CS III: Software Dev	0	0	0	0	0	18
CS III: Databases	0	0	0	19	34	0
CS III: Informatics	0	1	35	48	15	138
CS III: Cybersecurity	0	0	0	0	11	315
AP CS A	900	958	1070	1098	1180	1247
AP CS Principles	0	0	559	764	1301	1659
CS Standard Level, IB		28	33	29	30	30
CS Higher Level, IB	0	0	0	0	0	0
Cambridge Int AS and A	0	0	0	0	0	0
Total	**2113**	**4760**	**8859**	**10141**	**13956**	**17127**




Course Completions by F/R Lunch Status
% of CS CCs
Overall %
100.00%
75.00%
50.00%
25.00%
0.00%
2015
2016
2017
2018
2019
2020
Year


2020 CS Course Completions Vs. Total Student Population by Race
% CS CCs
% Overall
80.00%
60.00%
40.00%
20.00%
0.00%
Native American
Native Hawaiian or PI
Asian
Black
Hispanic
Multiracial
White

Plans for Continued Growth

- Continue to reach out to schools/counties not offering CS to ensure awareness of professional development opportunities and other resources, placing a special emphasis on counties where no CS is offered.
- Develop a comprehensive outreach plan and support strategy to address the remaining compliance gap.
- Identify additional strategies for supporting and engaging late adopters.
- Develop K-5 Computer Science Framework complete with grade-specific standards interpretations, aligned activities, and opportunities for interdisciplinary connections.
- Continue existing partnerships with organizations like Girls Who Code, Expanding Computing Education Pathways Alliance, CSforIN, professional development partners, etc. to continue scaling CS education across Indiana and making equity a priority.
- Leverage Expanding Access to Well-Rounded Courses Grant to develop creative solutions for offering CS courses in non-traditional ways.
- Maintain a high level of support and technical assistance for schools and districts.

Appendices

Appendix A - Nextech Contract (June 1, 2018 - July 31, 2019)
Appendix B - CodeHS Contract (October 1, 2019 - July 31, 2021)
Appendix C - Indiana University Contract (October 1, 2019 - July 31, 2021)
Appendix D - Nextech Contract (October 1, 2020 - July 2021)
Appendix E - Notre Dame Contract (February 10, 2020 - July 31, 2021)
Appendix F - Project Lead The Way Contract (May 1, 2020 - July 2021)

Please contact Jake Koressel (jkoressel@doe.in.gov) with any questions.