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*The intent of the Volusia County School District Digital Classroom Plan (DCP) is to provide a perspective on what the district considers being vital and critically important in relation digital learning implementation, the improvement of student performance outcomes, and how this progress will be measured. This plan meets the unique needs of students, schools and personnel in the district as required by s.1011.62(12)(b), F.S.*

## **Part I. DIGITAL CLASSROOMS PLAN - OVERVIEW**

### **A. District Mission and Vision**

*Through the individual commitment of all, our students will graduate with the knowledge, skills, and values necessary to be successful contributors to our democratic society.*

Volusia's mission is to provide our schools with the technology tools, digital materials and professional development necessary to support a fundamental redesign of instruction with the goal of creating a student-centric public school system that accelerates learning toward college and career readiness. The implementation of blended learning models will create multiple paths to personalize student learning to achieve academic outcomes. This includes, but is not limited to, an interdisciplinary approach to learning through real-world STEM applications. Our vision is to unify the way of work for all district stakeholders to contribute to the shift toward online assessments, digital instructional materials and acceleration toward graduation for the next generation learner. By establishing a clear vision for all, the mission of higher student achievement will be realized. A unified district vision will provide the opportunity to develop schools that are more productive for students and teachers by personalizing education, ensuring that the right resources and interventions reach the right students at the right time.

*Volusia's operational definition of blended learning is "a formal education program in which a student learns in part through online delivery of content and instruction with some element of student control over time, place, path, and/or pace; and at least in part at a supervised brick and mortar location away from home; and, the modalities along each student's learning path within a course or subject are connected to provide an integrated teaching experience" (Clayton Christensen Institute for Disruptive Innovation).*

Compared to high-access environments, which simply provide devices for every student, our District aims to transform teaching to support the innovative and active use of technology to improve student outcomes, enhance overall system productivity and enable next generation learners to compete in the new economy.





**B. District Profile**

Volusia County, Florida, is bordered on the west by the historic St. Johns River and by the Atlantic Ocean to the east. Roughly the size of Rhode Island, Volusia is situated 50 miles northeast of Orlando, 60 miles north of the Kennedy Space Center, and 89 miles south of Jacksonville.

With a population of approximately 500,000 people (2014 estimate), Volusia County is ranked the 11th largest county in Florida. Volusia is home to a diverse range of ages with approximately 21.5% of the population age 65 or older and 18% under 18 (2012). The median age is 45.3 years. According to the U.S. Census Bureau (2010), there are over 197,382 households throughout the county with a median income (2012) of \$44,169 and a per capita income (2011) of \$24,536. Among Volusia residents age 25 or older, 87.5% graduated from high school (2007-2011) and 20.8% have obtained a bachelor's degree (2007-2011). As the largest employer in the county, Volusia County Schools employs approximately 7,300 full and part-time personnel, including more than 4,400 teachers who are highly skilled professionals, with nearly 42% having a master's degree or higher. Although tourism is a significant contributor to Volusia County's economy, services, including education and health care are the primary industry.

The School District of Volusia County enjoys a state and national reputation for providing commendable and competitive educational opportunities for its students. The district's proactive commitment to excellence is illustrated by its early implementation of a distinguished array of rigorous academic programs that are recognized locally and nationally for the early and continuous use of instructional technology.

The District continues to form significant partnerships with entities that promote the enhancement of student achievement. Examples include Professional Development Schools in partnership with local universities such as Embry Riddle Aeronautical University, Bethune-Cookman University, the University of Central Florida, Stetson, and the Career Connection with Daytona State. An example of a strong industry partnership is one with the Ford Foundation.

In October 2012, the Volusia County Economic Development Department estimated Volusia's unemployment rate to be 8.4%, slightly above the national average of 7.5%. However, the unemployment rate fell to 5.7 percent in April of 2014, showing some improvement with positive changes in the economy.





## Volusia County School District: 2014-2015 Digital Classroom Plan

Volusia County Schools is the 13th largest school district in the state (by enrollment) with 89 schools and more than 61,000 full-time equivalent students. Two area superintendents supervise principals and schools across the District. Volusia County Schools offer a wide variety of educational programs to all ages. In addition to the many programs offered in traditional school settings, the District also operates several alternative education sites for students with behavioral and/or special needs and physical or emotional limitations. The English for Speakers of Other Languages (ESOL) program imparts specialized instructional techniques for students who speak a foreign language. Volusia earned district accreditation from the Southern Association of Colleges and schools in 2004 and again in 2010.

In summary, the School Board of Volusia County offers a comprehensive and rigorous K-12 curriculum designed to meet the needs of all students. This comprehensive curriculum includes both core and specialized programs and services, and is aligned with state standards. In addition, Volusia County provides certified art, music, guidance, media and physical education teachers at all schools. Additional demographics and statistics can be found on [Volusia's Statistic's website](#).

### C. District Steering Team

Title/Role	Name:	Email/Phone:
Deputy Superintendent, Instructional Services	Jim Tager	<a href="mailto:jrtager@volusia.k12.fl.us">jrtager@volusia.k12.fl.us</a> (386) 734-7190 ext. 20697
Executive Director, Technology Services	Dr. Don Boulware	<a href="mailto:dpboulwa@volusia.k12.fl.us">dpboulwa@volusia.k12.fl.us</a> (386) 734-7190 ext. 20114
Director, K-12 Curriculum Services and School Improvement	Barbara Head	<a href="mailto:BHead@volusia.k12.fl.us">BHead@volusia.k12.fl.us</a> (386) 734-7190 ext. 20657
Coordinator, Learning Technologies	Jessica Levene	<a href="mailto:JLLevene@volusia.k12.fl.us">JLLevene@volusia.k12.fl.us</a> (386) 734-7190 ext. 20451
Coordinator, Secondary Curriculum Services and School Improvement	Dr. Kati Dyer	<a href="mailto:kbdyer@volusia.k12.fl.us">kbdyer@volusia.k12.fl.us</a> (386) 734-7190 ext. 20529
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Coordinator, Volusia Online Learning	Dr. Melissa Carr	<a href="mailto:mcarr@volusia.k12.fl.us">mcarr@volusia.k12.fl.us</a> (386) 734-7190 ext. 38393
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Coordinator, Race To The Top	Chris Yahn	<a href="mailto:clyahn@volusia.k12.fl.us">clyahn@volusia.k12.fl.us</a> (386) 734-7190 ext. 20655
Coordinator, Office of Professional Development and Support	Dr. Karen Beattie	<a href="mailto:klbeatti@volusia.k12.fl.us">klbeatti@volusia.k12.fl.us</a> (386) 734-7190 ext. 20547

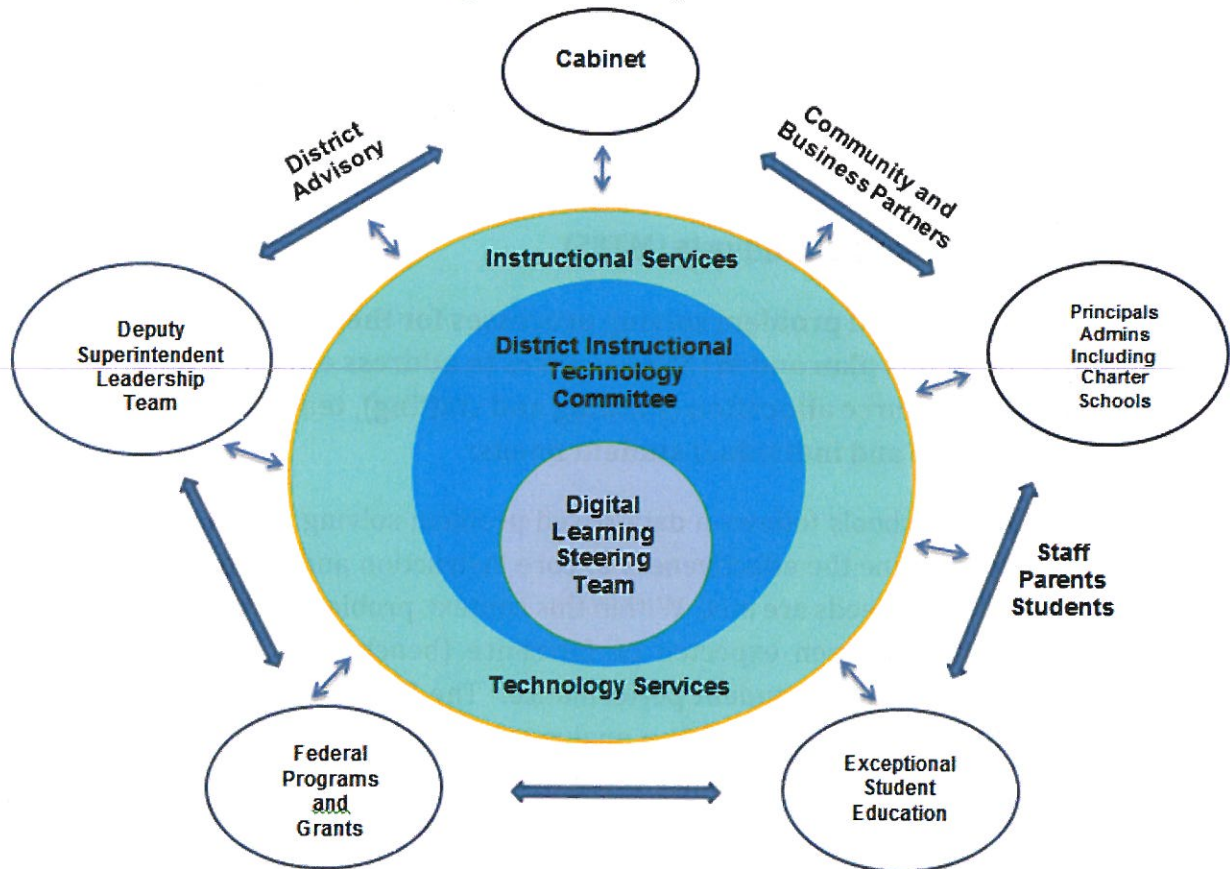




#### D. Planning Process

The District steering team, listed above and jointly headed by Jim Tager, Deputy Superintendent, and Dr. Don Boulware, Executive Director, Technology Services, meets bimonthly to collaborate and develop the process and implement implementation of this plan. All members were responsible to extend communications for input to their respective departments and staff.

The extended team is the District Instructional Technology Committee (DITC), comprised of representatives from each curriculum services department, ESE, learning technologies, Title 1, and professional development. This team, headed by Dr. Karen Beattie, gathers input from the school administrators, providing communications through the monthly principal and assistant principal PLCs. School administrators communicate with staff and parents through online discussion boards, newsletters, surveys and parent-school meetings and workshops.



Rhonda McPherson, Manager, Charter Schools, coordinated the feedback and support of the District's charter schools.



Charter schools were first notified of the Digital Classroom Plan requirements on August 16<sup>th</sup>, and participated in a break-out session of the Principal's Meeting on September 4<sup>th</sup>. The draft was sent to principals on September 15<sup>th</sup> for input and feedback. Several Q&A sessions were held and charter schools had an option to support the District DPC or create their own plan for funding based on FTE.

Throughout the development of the plan, members accessed formal and informal surveys from parents, community members, business partners and staff, to understand the identified needs. Examples of surveys include: Parent Climate Surveys, Staff Climate Surveys, PD teacher surveys, and CTE business and Community surveys. [Link to District Advisory Council.](#)

Volusia has recently passed the half-cent sales tax referendum. A Citizen Oversight Committee is already formed to assist with the technology acquisitions and the Volusia Tech Council and the Daytona Chamber will provide guidance throughout the process.

The team reviewed current research and best practices that include the integration of technology in all areas of the curriculum, ESOL and special needs including students with disabilities. [Link to Volusia's Communication Plan](#)

#### **E. Multi-Tiered System of Supports (MTSS)**

**Volusia's data-based problem solving processes for the implementation and monitoring of this plan and MTSS structures to address effectiveness of core instruction, resource allocation (funding and staffing), teacher support systems, and small group and individual student needs:**

Volusia County Schools follows a data-based problem solving model which enables the District to determine the effectiveness of core instruction and to ensure that individual and group student needs are met. Within this context, problem identification determines the discrepancy between expected performance (benchmarks, standards, behavioral expectations) and actual student performance. The District utilizes a decision making rubric as the foundation for problem analysis that guides educators to determine if the academic or behavioral discrepancy is likely a result of ineffective core instruction or if curricular, environment or learner variables are causal factors. Intervention implementation is based on both a standard protocol approach coupled with more individualized supports as needed. Response- to intervention ensures that data demonstrate effectiveness and level of supports needed to sustain growth. The District's MTSS framework is predicated on this problem solving model. Data derived from problem solving determine what resources (i.e., personnel, programs materials, digital



tools and technology, professional development, funding) are needed to meet the needs of students.

Increasingly, digital resources are utilized for both core instruction and for tiered interventions and supports in order to meet the unique needs of individual students as well as groups of students as identified through data-based problem solving.

**Leadership systems in place to monitor the District's MTSS and Digital Classroom Plan (DCP):**

The District MTSS leadership team is comprised of representation from Instructional Services, ESE/Student Services, Professional Development, Technology Services, Testing and Accountability, and other departments as needed.

Problem solving, which has been facilitated by DAPPS (District Action Planning and Problem Solving), has served to identify areas of specific need. A focus of this process has been the identification of existing resources to ensure a match between resources and student need as identified by data trends. Inherent in this system of strategic resource mapping are the identification of digital resources. In addition, program evaluation of blended learning is conducted to ensure that the appropriate digital supports are matched to student need.

Professional development and other infrastructure and implementation issues are also identified and monitored. Furthermore, a leadership team specific to the development and monitoring of the DCP has been identified and addresses the needs of the plan within a framework of tiered supports.

**The data sources and management systems used to access and analyze data to monitor the effectiveness of supports being offered to each tier:**

Effectiveness of core instruction (i.e., Tier 1) is identified as 80% of students meeting academic expectations. Data sources used for determination included prior state data (i.e., FCAT, EOC and FAIR) as well as district level data sources (e.g., interim assessments). The eduphoria! system is being utilized as the data system to manage student data with reports being disaggregated to determine patterns of need.

Furthermore, the District screens all elementary students for behavioral indicators through the electronic report card. Data is disaggregated at the class, school, district, race and gender levels to determine intervention needs at the group and individual level for Tier 2 and 3 supports.



The electronic Problem Solving Team system is a platform for determining how many students by teacher and grade level at each school need targeted supports, further indicating effectiveness of core instruction and need for tiered supports.

Lastly, the Volusia's Early Warning System provides school based data in Excel which enables Volusia and school leaders to identify both school trends and individual students in need of targeted supports and interventions. Data gleaned from the Early Warning System identify those students who may benefit from student engagement strategies and credit retrieval which in many cases would involve digital learning opportunities.

**Plan to support staff's understanding of MTSS and build capacity in data-based problem solving which will assist with the implementation of the DCP:**

Various means are used to support educators in their understanding of MTSS and data-based problem solving:

- ❖ Annual training and follow-up support has been provided to teachers by school psychologists on data-based problem solving.
- ❖ Training modules, which convey a consistent message, are available to all educators through the Volusia's webpage.
- ❖ An internet site dedicated to MTSS has been developed and contains district specific training modules, student engagement strategies, academic and behavioral interventions.
- ❖ Early Warning System support links to the state MTSS site, and will include information regarding blended learning within a multi-tiered system of supports. This site will be updated regularly to provide teachers with the most updated empirical resources regarding MTSS and digital tools to support positive student outcomes.
- ❖ Volusia support is provided to schools through the Differentiated Accountability liaisons who respond to specific questions and needs including data-based problem solving, MTSS and digital learning.

**Part II. DIGITAL CLASSROOMS PLAN –STRATEGY**

**STEP 1 – Need Analysis:**

[Volusia County School District's Strategic Plan](#) represents a commitment to the students of Volusia County Schools and supports five broad goals with action steps under each goal.





## Volusia County School District: 2014-2015 Digital Classroom Plan

Data based on the Indicators of Progress is used to determine success in meeting each goal.

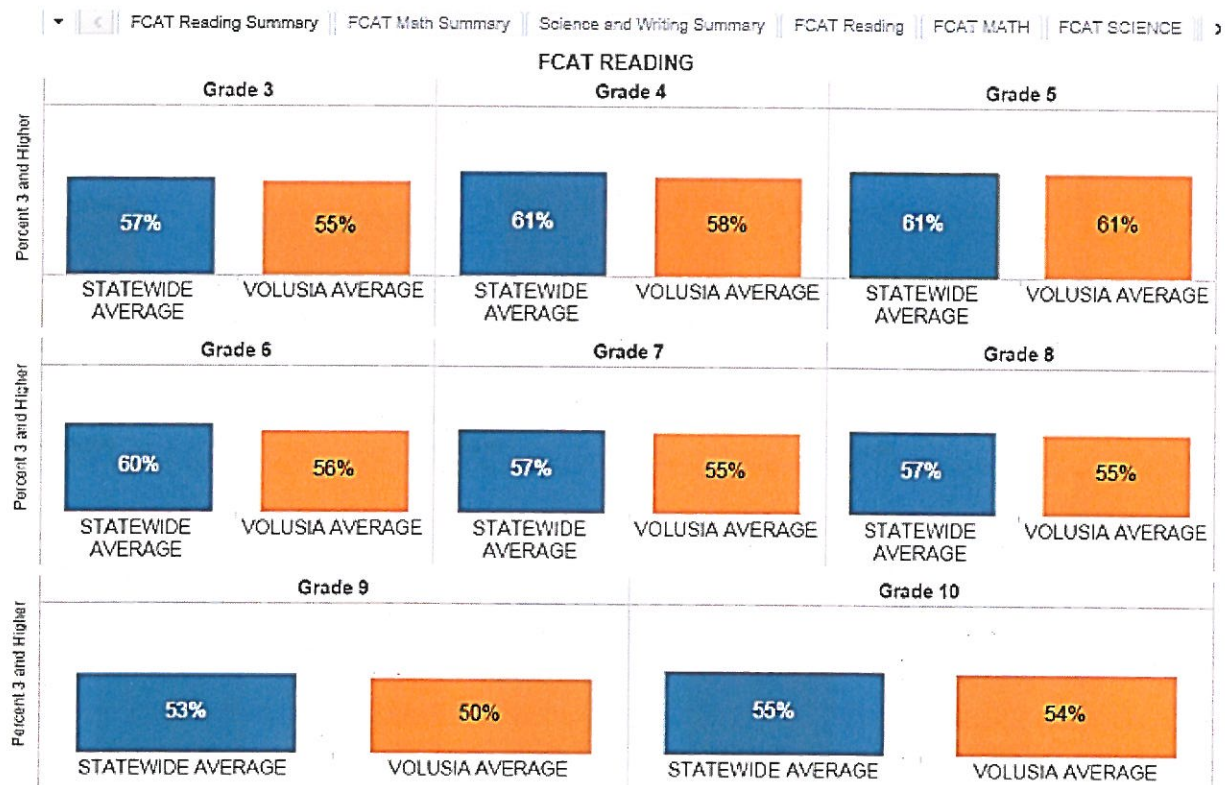
As Volusia developed the strategic plan, stakeholder groups asked for fewer, more focused goals with specific actions for each one. The plan was moved from a 5-year plan to a 3-year plan in order to focus on more immediate action and change. This digital plan is intentionally aligned to the goals of Volusia's Strategic Plan.

### A. Student Performance Outcomes

Volusia County School District shall improve classroom teaching and learning to enable all students to be digital learners with access to digital tools and resources for the full integration of the Florida Standards.

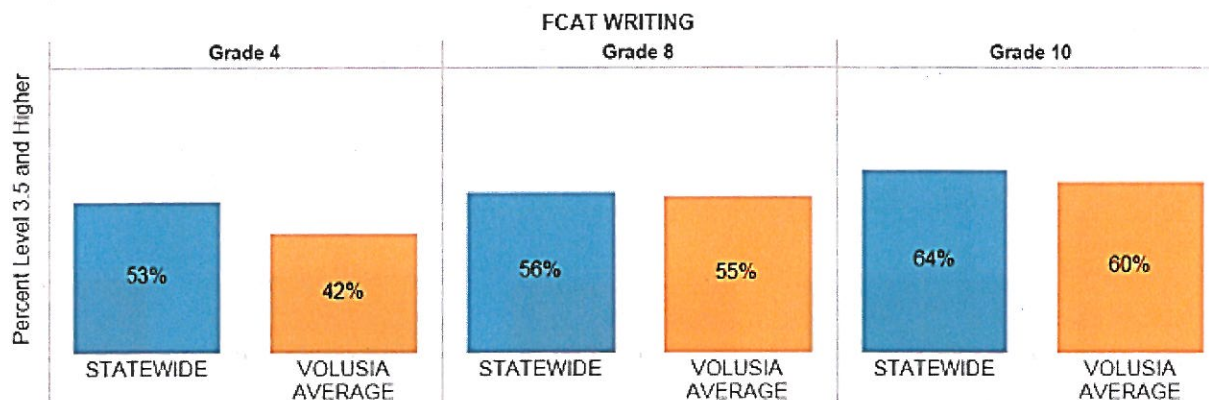
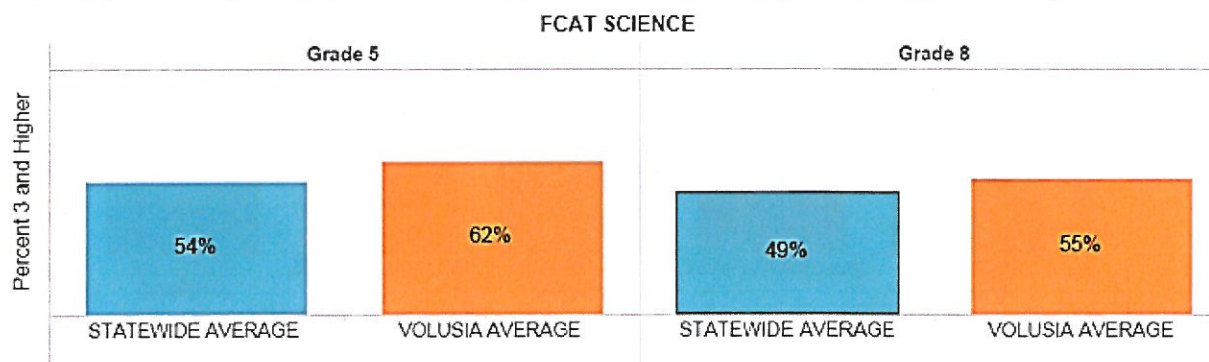
The Volusia Assessment and Accountability Department maintains a website that simplifies the results of the Spring 2014 FCAT data:

<http://myvolusiaschools.org/assessment-accountability/Pages/FCAT.aspx>





# Volusia County School District: 2014-2015 Digital Classroom Plan





## Volusia County School District: 2014-2015 Digital Classroom Plan

Data from Annual Measurable Objectives (AMOs) for Schools, Districts and the State: <http://schoolgrades.fldoe.org/>



District	Reading % Scoring Satisfactory 2014							Target AMO Reading Math % Scoring Satisfactory 2014							Target AMO Math							Learning Gains Points for Low 25% Reading: 2013-14							Learning Gains for Low 25% Math: 2013-14							Graduation Rate: 2013							Writing % Satisfactory 2014							Target AMO Reading: 2015							Target AMO Reading: 2016							Target AMO Reading: 2017							Target AMO Math: 2015							Target AMO Math: 2016							Target AMO Math: 2017																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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Student Performance Outcomes (Required)		Baseline	Target	Date for Target to be Achieved (year)
1.	ELA Student Achievement	56%	67%	2014-2015
	** Reading – Grades 3-10	56%	67%	2014-2015
	** Writing – Grades 4, 8, 10	53%	56%	2014-2015
2.	Math Student Achievement	59%	63%	2014-2015
3.	Science Student Achievement	59%	62%	2014-2015
4.	ELA Learning Gains	56%	74%	2016-2017
5.	Math Learning Gains	59%	71%	2016-2017
6.	ELA Learning Gains of the Low 25%	64%	67%	2014-2015
7.	Math Learning Gains of the Low 25%	59%	67%	2014-2015
8.	Overall, 4-year Graduation Rate	68%	85%	2015-2016

### Additional Performance Data

Targets for Florida's Race to the Top Project and the data verified by the Florida DOE on Volusia's progress.





## Volusia County School District: 2014-2015 Digital Classroom Plan

### State Goals for the Class of 2015:

For the every 100 incoming high school freshmen in 2011-12

- 85 will graduate from high school in 2015
- Of the 85 students who graduate, 63 (or 74%) will go on to college by 2017
- Of the 63 students who went on to college, 44 (or 70%) will earn at least a year's worth of college credit by 2019

High School Graduating Class of:	2005 Baseline	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Graduation Rate	59	59	60	63	66	68	69	72	76	80	85
College Going Rate	58	58	60	61	62	63	64	65	67	71	74
College Credit Earning Rate	63	63	64	64	64	65	65	66	67	68	70
Percent of 9 <sup>th</sup> Graders Who Eventually Earn at Least a Year's Worth of College Credit	22	22	23	25	26	27	29	31	34	39	44

Volusia's Targets and Actual Data in highlighted in Red.

High School Graduating Class of:	2005 (Baseline)	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Graduation Rate	60	59	57	59	59	6564	7162	7567	7968	83	87
College Going Rate	55	56	59	6059	6062	6061	6157	63	68	73	78
College Credit Earning Rate	60	6061	6066	6065	6263	6459	66	68	70	72	74
Percent of 9 <sup>th</sup> Graders Who Eventually Earn at Least a Year's Worth of College Credit	20	2020	2022	2123	2223	2523	29	32	38	44	50

This data comes from the DIAP (District Improvement and Assistance Plan) for the 2014-2015 School Year - **Needs Assessment for Targeted Student Subgroups**

### Reading

**Annual Measurable Objectives (AMOs) - Students scoring at or above Level 3 on FCAT 2.0, or scoring at or above Level 4 on FAA**

Group	2013 Target %	2013 Actual %	Target Met?	2014 Target %
All Students	63%	56%	No	67%
American Indian	65%	49%	No	69%
Asian	78%	73%	No	81%
Black/African American	43%	34%	No	49%
Hispanic	56%	48%	No	60%
White	70%	63%	No	73%
English language learners	41%	30%	No	47%
Students with disabilities	37%	22%	No	43%
Economically disadvantaged	55%	47%	No	60%





## Volusia County School District: 2014-2015 Digital Classroom Plan

### Mathematics

**Annual Measurable Objectives (AMOs) - Students scoring at or above Level 3 on FCAT 2.0, or scoring at or above Level 4 on FAA**

Group	2013 Target %	2013 Actual %	Target Met?	2014 Target %
All Students	58%	57%	No	63%
American Indian	55%	49%	No	60%
Asian	82%	83%	Yes	84%
Black/African American	42%	35%	No	48%
Hispanic	52%	48%	No	57%
White	64%	64%	Yes	68%
English language learners	43%	36%	No	48%
Students with disabilities	37%	25%	No	43%
Economically disadvantaged	51%	47%	No	56%

Volusia is creating a systematized process for increasing engagement in learning, and expects that student achievement and graduation rates will increase in all subgroups.

### Resources Available to Support the Goal

- **Personnel:** Community Assessment Team; Volusia Leadership Team; Instructional Services Specialists; Title 1 TOAs, School-Based Coaches; Area Superintendents; Office of Professional Development & Support Specialists; ESOL Coordinator; Differentiated Accountability Region 2 Team; School Administration; Title I Intervention Teachers; Behavioral Support Staff
- **Funds:** SAI Funds; Reading FEFP Funds; Volusia Budgets; Title I Funds; Title II Funds; Title III Funds; Race to the Top (5th year amendment); SIG 1003(g)

### **B. Digital Learning and Technology Infrastructure**

Volusia County School District will create a digital learning infrastructure with the appropriate levels of bandwidth, devices, hardware and software.

The data in the following table is taken from the Technology Readiness Inventory (TRI). [Link to 2013-2014 District Technology Resource Inventory](#)





<b>Technology Infrastructure</b>				
<b>Infrastructure Needs Analysis (Required)</b>		<b>Baseline</b>	<b>Target</b>	<b>Date for Target to be Achieved (year)</b>
1.	Student to Computer Device Ratio	5.12:1	2:1	2018-19
2.	Count of student instructional desktop computers meeting specifications	7191	14,000	2018-19
3.	Count of student instructional mobile computers (laptops) meeting specifications	4741	9,500	2018-19
4.	Count of student web-thin client computers meeting specifications	0	10,000	2018-19
5.	Count of student large screen tablets meeting specifications	3521	15,000	2018-19
6.	Percent of schools meeting recommended bandwidth standard	100	100	2014-15
7.	Percent of wireless classrooms (802.11n or higher)	98	100	2014-15

### **C. Professional Development**

Instructional personnel and will have access to opportunities and training to assist with the integration of technology into classroom teaching.

- Professional Development will be evaluated based on the level of current technology integration by teachers into classrooms. This measures the impact of the professional development for digital learning into the classrooms. The Technology Integration Matrix (TIM) is found at: <http://fcit.usf.edu/matrix/matrix.php>. This was recently purchased through RTTT funds Year 5.
- Average integration is recorded as the percent of teachers at each of the 5 categories of the TIM for the levels of technology integration into the classroom curriculum: Entry, adoption, adaptation, infusion, and transformation.



<b>Professional Development</b>				
<b>Professional Development Needs Analysis (Required)</b>		<b>Baseline</b> (Estimated until baseline data – Fall, 2014)	<b>Target</b>	<b>Date for Target to be Achieved (year)</b>
1.	Average Teacher technology integration via the TIM	Entry (25) Adoption (40) Adaption (20) Infusion (10) Transform (5)	Entry (15) Adoption (20) Adaption (30) Infusion (20) Transform (15)	2017-2018
2.	Average Teacher technology integration via the TIM (Elementary Schools)	Entry (25) Adoption (40) Adaption (20) Infusion (10) Transform (5)	Entry (15) Adoption (20) Adaption (30) Infusion (20) Transform (15)	2017-2018
3.	Average Teacher technology integration via the TIM (Middle Schools)	Entry (25) Adoption (40) Adaption (20) Infusion (10) Transform (5)	Entry (15) Adoption (20) Adaption (30) Infusion (20) Transform (15)	2017-2018
4.	Average Teacher technology integration via the TIM (High Schools)	Entry (25) Adoption (40) Adaption (20) Infusion (10) Transform (5)	Entry (15) Adoption (20) Adaption (30) Infusion (20) Transform (15)	2017-2018
5.	Average Teacher technology integration via the TIM (Combination Schools)	Entry (25) Adoption (40) Adaption (20) Infusion (10) Transform (5)	Entry (15) Adoption (20) Adaption (30) Infusion (20) Transform (15)	2017-2018
6.	Purchase (TIM) Tools and provide training for administrators and teachers; use as diagnostic and needs analysis for 2015-16 year.	Establish Districtwide Baseline	Administer Tools	2014-2015



**D. Digital Tools**

Volusia County School District will continue to implement and support a digital tools system that assists instructional personnel and staff in the management, assessment and monitoring of student learning and performance.

A key component to digital tools is the implementation and integration of a digital tool system that assists instructional personnel and staff in the management, assessment and monitoring of student learning and performance.

<b>Digital Tools</b>				
<b>Digital Tools Needs Analysis (Required)</b>		<b>Baseline</b>	<b>Target</b>	<b>Date for Target to be Achieved (year)</b>
1.	Implementation status on systems that enables teachers and administrators to access information about benchmarks and use it to create aligned curriculum guides. ( <a href="#">eduphoria!</a> )	Partially implemented	Will work to implement and employ	2015-2016
2.	Implementation status of a system that provides teachers and administrators the ability to create instructional materials and/or resources and lesson plans. ( <a href="#">eduphoria!</a> )	Partially implemented	Will work to implement and employ	2015-2016
3.	Implementation status of a system that supports the assessment lifecycle from item creation, to assessment authoring and administration, and scoring. ( <a href="#">eduphoria!</a> )	Partially implemented	Will work to implement and employ	2015-2016
4.	Implementation status of a system that includes district staff information combined with the ability to create and manage professional development offerings and plans. ( <a href="#">MyPGS</a> )	Fully implemented	Will continue to support and employ in classrooms	2012-2013

## Volusia County School District: 2014-2015 Digital Classroom Plan

Digital Tools Needs Analysis (Required)		Baseline	Target	Date for Target to be Achieved (year)
5.	Implementation status of a system that includes comprehensive student information that is used to inform instructional decisions in the classroom, for analysis and for communicating to students and parents about classroom activities and progress. ( <a href="#">eduphoria!</a> )	Partially implemented	Will work to implement and employ	2015-2016
6.	Implementation status of a system that leverages the availability of data about students, district staff, benchmarks, courses, assessments and instructional resources to provide new ways of viewing and analyzing data. ( <a href="#">eduphoria!</a> )	Partially implemented	Will work to implement and employ	2015-2016
7.	Implementation status of a system that houses documents, videos, and information for teachers, students, parents, district administrators and technical support to access when they have questions about how to use or support the system. ( <a href="#">Volusia Sharepoint</a> )	Partially implemented	Will work to implement and employ	2015-2016
8.	Implementation status of a system that includes or seamlessly shares information about students, district staff, benchmarks, courses, assessments and instructional resources to enable teachers, students, parents, and district administrators to use data to inform instruction and operational practices. ( <a href="#">VIMS / Parent Portal</a> )	Partially implemented	Will work to implement and employ	2015-2016
9.	Implementation status of a system that provides secure, role-based access to its features and data for teachers, students, parents, district administrators and technical support. ( <a href="#">eduphoria!</a> )	Partially implemented	Will work to implement and employ	2015-2016

These are the added metrics for the measurement of CAPE (Career and Professional Education) digital tools.





**Volusia County School District: 2014-2015 Digital Classroom Plan**

<b>CAPE Digital Tools</b>				
<b>CAPE Digital Tools Needs Analysis</b>		<b>Baseline</b>	<b>Target</b>	<b>Date for Target to be Achieved (year)</b>
1.	Elementary – CAPE Digital Tool Certificates	Partially implemented	Will work to implement and employ	2015-2016
2.	Middle School – CAPE Digital Tool Certificates and Industry Certifications	Partially implemented	Will work to implement and employ	2015- 2016
3.	High School – CAPE Industry Certifications	Fully implemented	Expand industry certification opportunities	2015-2016
			Increase student achievement on industry certification exams to 75% pass rate	2015-2016

**E. Online Assessment Readiness**

Volusia County School District will work to reduce the amount of time used for the administration of computer-based assessments. Online assessment (or computer-based testing) is measured by the computer-based testing certification tool and the number of devices available and used for each assessment window.

<b>Online Assessment Readiness</b>				
<b>Online Assessments Needs Analysis (Required)</b>		<b>Baseline</b>	<b>Target</b>	<b>Date for Target to be Achieved (year)</b>
1.	Computer-Based Assessment Certification Tool completion rate for schools in the district (Spring 2014)	Fully implemented	Will continue to support and employ in classrooms	2013-2014
2.	Computers/devices required for assessments (based on schedule constraints)	Fully implemented	Will continue to support and employ in classrooms	2013-2014
3.	Continue to follow DOE guidelines and procedures to support the state-wide assessment	Partially implemented	Will work to implement and employ	2015-2016

**STEP 2 – Goal Setting:**

The goals listed below are taken from the District's Strategic Plan.

- **GOAL 1:** Implement a comprehensive curriculum driven by Florida Standards.
- **GOAL 2:** Increase achievement for each and every student by ensuring access to rigorous programs, addressing diverse educational needs, and providing access to technology.
- **GOAL 3:** Promote an emotionally, intellectually and physically safe environment for all students and staff.
- **GOAL 4:** Foster an environment that promotes ongoing professional development and improved job performance for all teachers and staff.
- **GOAL 5:** Communicate with all stakeholders through various media to promote collaboration, parent involvement and community partnerships.

The following Volusia data sources, Volusia plans, and documents were used to ensure that all goals, objectives, and strategies are strategically aligned to the Volusia Digital Classroom Plan and the Volusia Strategic Plan.

**A. Student Performance Outcomes (Volusia Goal Areas 1, 2)**

- Volusia Assessment Site - [myvolusiaschools.org/assessment-accountability/](http://myvolusiaschools.org/assessment-accountability/)
- District/School Accountability Reports - [schoolgrades.fldoe.org](http://schoolgrades.fldoe.org)
- Florida School Improvement Plans - <https://www.floridacims.org/>

**B. Digital Learning and Technology Infrastructure (Volusia Areas 1, 2, 3, 4, 5)**

- A tight integration of technology goals (District Technology Plan)
- Volusia Technology Sharepoint - [myvolusiaschools.org/technology-services/](http://myvolusiaschools.org/technology-services/)
- Florida Innovates – Surveys - <http://www.flinnovates.org/>
- Technology Integration Matrix (TIM) is found at: [fcit.usf.edu/matrix](http://fcit.usf.edu/matrix)

**C. Professional Development (Volusia Goal Area 4)**

- PD Online System – MyPGS - <https://volusia.truenorthlogic.com/>
- Volusia Professional Development Manual – 2013-2014
- Professional Development for Digital Learning – Grant
- Volusia Master Inservice – Components – 2013 – 2014





**D. Digital Tools (Volusia Goal Areas 1, 2, 5)**

- Volusia Instructional Management System - [VIMS / Parent Portal](#)
- Role-based online access to instructional applications, Office 365 with web sharing and storage, online texts for teachers and students, and links to Volusia-approved resources – VPORTAL (single-sign-on) - <https://vportal.volusia.k12.fl.us/>
- Career and Technical Connection - <http://www.career-connection.org/>
- Industry Certification - <http://www.certiport.com/portal/>

**E. Online Assessments (Volusia Goal Areas 1, 2)**

- Volusia Online Assessment System - [eduphoria!](#)
- Volusia Online Learning - [volusiaonlinelearning.com/](http://volusiaonlinelearning.com/)

**STEP 3 – Strategy Setting**

Volusia County School District has outlined high-level digital learning and technology strategies that will help achieve Volusia’s goals.

District Strategies			
Goal Addressed	Strategy	Measurement	Timeline
<b>A. Student Performance Outcomes</b>	Revise the curriculum to include the ISTE technology literacy standards:  Year 1 – Grades 4,5 Year 2 – Gr 2-3, 6-8 Year 3 – All grades	Access to curriculum maps online and technology-based lessons linked in eduphoria!	2014-2015  2014-2015 2015-2016 2017-2018
	Track student progress of technology standards embedded in project-based instruction	Manage reporting of student performance on technology literacy assessment in grades 4-5 and at Atlantic High, documenting best practices	2014-2015
	Provide rigorous and relevant technology-based lessons linked to FL Standards and ISTE Standards	Florida state assessments and Volusia local assessments	2014-2017

**Volusia County School District: 2014-2015 Digital Classroom Plan**

<b>Goal Addressed</b>	<b>Strategy</b>	<b>Measurement</b>	<b>Timeline</b>
<b>B. Digital Learning and Technology Infrastructure</b>	Continue BYOT implementation to all schools, evaluating and updating wireless access to all classrooms	Evaluation of Technology Infrastructure and Resources through FL Innovates Reporting	2014-2015
	Continue implementation of blended learning verified classrooms	Annual fulfillment of online graduation requirement for each high school graduate	2014-2016
	Increase the student to computer ratio, starting with grades 4-5, and Atlantic High (through SIG grant)	Completion of yearly Technology Resources Survey – district and all schools	2014-2017
	Monitor the Atlantic High SIG Grant for best practices of digital learning and technology infrastructure	Collaboration with Atlantic High on grant goals, activities and evaluation	2014-2016
<b>C. Professional Development</b>	Train teachers on curriculum map revisions (FL Digital Learning PD grant)	TIM Tool Reporting of Teacher Technology Skills	2014-2016
	Train staff in blended learning as an instructional shift and technical training related to online platforms and technology	Blended Learning Verification tool	2014-2017
	Support school-based PLCs, online courses, and subscriptions, focused to increase knowledge and technology skills	Based on results of TIM reporting, PD reports of courses, sections, and rosters	2014-2016
	Use DOE resources through <a href="#">FL School Leaders - Learning Links</a>	PLCs – documentation, Deliberate Practice Plans (DPPs)	2014-2016



## Volusia County School District: 2014-2015 Digital Classroom Plan

Goal Addressed	Strategy	Measurement	Timeline
<b>D. Digital Tools</b>	Provide 5 <sup>th</sup> grade teachers and students with access to IC <sup>3</sup> certification coursework, integrated in the curriculum	Certiport rosters and reports	2014-2015
		TIM Tools (to be implemented this year)	2014-2015
	Encourage coursework through Lynda.com	Lynda.com reports	2014-2015
	Manage CAPE Digital Assessments	IC <sup>3</sup> and CAPE Industry Certifications	2014-2017
<b>E. Online Assessments</b>	Continue to monitor state assessment requirements in relation to the student to computer ratio of workstations meeting the assessment specifications.	Florida assessments	2014-2017
		Technology Infrastructure and Resources Surveys	2014-2017

In addition, Atlantic High School, Volusia County, was awarded a School Improvement FFY13 SIG COHORT 3 Grant. Volusia commits to implementing the Transformation model fully for three years starting in 2014-15.

### Areas of Focus

Volusia used the 8-step planning and problem-solving process in the District Improvement and Assistance Plan (DIAP) to address the needs of the SIG-targeted schools in the five Areas of Focus.

Goals that contain strategies that Volusia has identified are:

- **Area of Focus 1:** Design and implement school wide a multi-tiered system of supports
- **Area of Focus 2:** Identify and implement a Florida Standards-based instructional program
- **Area of Focus 3:** Determine how to promote the continuous use of student data to inform and differentiate instruction to meet the academic needs of individual students
- **Area of Focus 4:** Establish schedules and implement strategies that provide increased learning time
- **Area of Focus 5:** Provide staff ongoing, high quality, job-embedded professional development as well as ongoing, intensive technical assistance



## Volusia County School District: 2014-2015 Digital Classroom Plan

School	Indicator	Annual Targets		
		2014-15	2015-16	2016-17
4941 - Atlantic High School	Reading Proficiency - FCAT 2.0 (%)	60.0	65.0	70.0
4941 - Atlantic High School	Math Proficiency - FCAT 2.0 (%)	60.0	65.0	70.0
4941 - Atlantic High School	4-Year Federal Uniform Graduation Rate (%)	73.0	76.0	80.0

### Part III. DIGITAL CLASSROOMS PLAN - ALLOCATION PROPOSAL

The Digital Classroom Plan allocation includes the five key components as required by s.1011.62(12)(b), F.S. In this section of the DCP, Volusia outlines specific deliverables that will be implemented in the current year that are funded from the DCP Allocation. The five components that are included are:

- A. Student Performance Outcomes (Volusia Goal Areas 1, 2)
- B. Digital Learning and Technology Infrastructure (Volusia Areas 1, 2, 3, 4, 5)
- C. Professional Development (Volusia Goal Area 4)
- D. Digital Tools (Volusia Goal Areas 1, 2, 5)
- E. Online Assessments (Volusia Goal Areas 1, 2)

Volusia County School District's funding allocation is **\$743,467**. The District has included charter schools in the DCP deliverables and allocations ( s. 1011.62(12)(c), F.S., - charter schools are eligible for a proportionate share of the DCP Allocation as required for categorical programs in s. 1002.33(17)(b) ) The charter schools were given an option to collaborate on the Volusia DCP or submit their own plan for an equitable allocation based on FTE funding. (One charter submitted a plan for funding based on the approved allocation formula and the plan was approved. All other charter schools are submitting under the district DCP plan.)

Funds for this DCP allocation will be used to purchase the Universal District License Model for Volusia County, participating at a Level 2, which is total eligibility for all middle and high school students. This also includes the IC3 Program for all 5<sup>th</sup> graders, which is very exciting. This program is described in Appendix C. The cost of this license is \$185,083. (Appendix B.)

The remainder of the funds is allocated to purchase workstations for use in all 4<sup>th</sup> and 5<sup>th</sup> grade classrooms district-wide, distributed per FTE. The distribution spreadsheet, which includes charter schools, is found in Appendix D.





**A. Student Performance Outcomes**

Volusia determined specific student performance outcomes based on Volusia needs and goals that are directly impacted by the DCP Allocation. These outcomes are the specific goals that Volusia plans to improve through the implementation of the deliverables funded by the DCP Allocation for the 2014-15 school year.

Student Performance Outcomes			
Student Performance Outcomes		Baseline	Target
1.	Increase the percentage of students achieving learning gains in reading by 3%	56%	59%
2.	Increase the percentage of students achieving learning gains in math by 3%	59%	62%
3.	Increase the ELA Learning Gains of the Lowest 25% by 5%	64%	69%
4.	Increase the ELA Learning Gains of the Lowest 25% by 5%	59%	64%
5.	Increase the industry certification rate	67%	75%
6.	Increase the Overall, 4-year Graduation Rate	68%	85%

**B. Digital Learning and Technology Infrastructure**

**Implementation Plan for Digital Learning and Technology Infrastructure:**

Digital Learning / Infrastructure Implementation					
	Deliverable	Estimated Completion Date	Estimated Cost	School/District	Outcome from Section A)
B.1	Purchase and deploy mobile devices for student use in grade 4 and 5 classrooms	12/01/14	\$558,384.00	All elementary schools, including charter schools	Outcomes 1,2,3,4
	Purchase courseware to Improve digital literacy skills, including on keyboarding skills.	12/01/14	Instruction Funds		Outcomes 1,2,3,4
B.2	Professional and Technical Services for Installation	12/01/15	\$30,000	All elementary schools	

**Evaluation and Success Criteria for Digital Learning and Technology Infrastructure:**

This evaluation process will enable the district to monitor progress toward the specific goals and targets of each deliverable and make mid-course (i.e. mid-year) corrections in response to new developments and opportunities as they arise.

<b>Infrastructure Evaluation and Success Criteria</b>		
<b>Deliverable (from above)</b>	<b>Monitoring and Evaluation and Process(es)</b>	<b>Success Criteria</b>
B.1.	Administrator and staff surveys	100% of the administrators and teachers will respond that the laptops and carts were successfully configured and are now scheduled and used by students.

Volusia County School District intends to use a portion of the DCP allocation for the technology and infrastructure needs area B. s.1011.62(12)(b), F.S. requires a third-party evaluation of the results of the District's technology inventory and infrastructure needs.

A third party initial evaluation was completed through contracted services, paid for through the Race to the Top Project, Year 5, Q1, MOU 14. The evaluation is included in Appendix E.

**C. Professional Development**

**Implementation Plan for Professional Development:**

This plan includes a process for scheduling the delivery of the Volusia's Master Inservice Plan (MIP) components on digital learning, and identifies other school-based processes that will provide on-going support for professional development on digital learning.

**Volusia's professional development plan will have as its foundation the teacher training for CAPE Digital Tool Certifications via IC3 Spark and IC3 as part of the District Universal License.** <http://www.certiport.com/PORTAL/>





## Volusia County School District: 2014-2015 Digital Classroom Plan

Professional Development Implementation					
	Deliverable	Estimated Completion Date	Estimated Cost	School/District	Outcome from Section A
C.1.	School teams will participate in professional development to revise curriculum maps to include Digital Literacy standards – Grades 4, 5	December 31, 2014	\$48,622. (FL DOE PDAP Grant)	Volusia	Outcomes, 1,2,3,4
C.2.	School teams will participate in professional development (school-based facilitators) on the implementation of revised curriculum maps and the Digital Literacy standards, including specific use on instructional technology.	January 31, 2015			Outcomes, 1,2,3,4
C.3.	Teachers of grades 4 - 5 will participate in professional development on the revised curriculum maps, Digital Literacy tools, including specific use of instructional technology and the Digital Tool Certificates as purchased through the Universal License, specifically IC <sup>3</sup> Spark.	March 1, 2015	\$12,658. (FL DOE PDAP Grant)	Volusia	Outcomes, 1,2,3,4, 5
C.4.	Teachers of grades 6 – 8 will participate in professional development on the revised curriculum maps Digital Literacy tools, including specific use of instructional technology and the Digital Tool Certificates as purchased through the Universal License, specifically IC <sup>3</sup> Spark (grade 6), IC <sup>3</sup> (grades 7-8)	Grade 6 – 8 June 30, 2015	6 – 8 Perkins DOE PDI	Volusia	Outcomes, 1,2,3,4, 5
C.5.	Teachers of grades 8 – 12 will participate in professional development on the implementation of Industry Certifications as purchased through the Universal License	Grades 8 – 12, June 2015	Perkins DOE PDI	Volusia	Outcomes, 1,2,3,4, 5, 6

**Other funding sources:**

Brief description of other activities	Other funding source
Teachers of grades 4 - 5 will participate in professional development aligned with MIP specific to the implementation of Digital Tool Certificates as purchased through the Universal License	DOE Professional Development for Digital Learning

**Evaluation and Success Criteria for Professional Development:**

This evaluation process will enable the Volusia to monitor progress toward the specific goals and targets of each deliverable and make mid-course (i.e. mid-year) corrections in response to new developments and opportunities as they arise.

Professional Development Evaluation and Success Criteria		
Deliverable (from above)	Monitoring and Evaluation and Process(es)	Success Criteria
Other fund source	Revised Curriculum Maps with embedded digital literacy, grades 4 - 5 Calendar of PD Walk-throughs Volusia's PD Implementation and Evaluation Evidence	Establishment of a baseline of student success on Digital Tool Certificate for the 2014-2015 school year
C.1.	Revised Curriculum Maps with embedded digital literacy, grades 4 - 5 Calendar of PD Walk-throughs Volusia's PD Implementation and Evaluation Evidence	Establishment of a baseline of student success on Digital Tool Certificate for the 2014-2015 school year
C.2.	Calendar of PD Walk-throughs Volusia's PD Implementation and Evaluation Evidence	Industry Certification reporting which is submitted to DOE annually

**D. Digital Tools**

Digital Tools include a comprehensive digital tool system for the improvement of digital learning. Volusia will maintain a digital tools system that is intended to support and assist district and school instructional personnel and staff in the management, assessment and monitoring of student learning and performance.





## Volusia County School District: 2014-2015 Digital Classroom Plan

Digital tools will include purchases and activities to support CAPE digital tools opportunities and courses. A list of currently recommended certificates and credentials can be found at: <http://www.fldoe.org/workforce/fcpea/> A link to the Volusia Career and Technical information can be found at: <http://www.career-connection.org/>

Industry Certification: <http://www.certipoint.com/Portal/>

### Implementation Plan for Digital Tools:

Digital Tools Implementation					
	Deliverable	Estimated Completion Date	Estimated Cost	School/District	Outcome from Section A)
D.1.	Provide keyboarding to support curriculum in grades 3-5	December, 2014		Ele Schools	Outcomes 1,2,3,4
D.2.	Offer CAPE digital tool certifications via IC3 Spark and IC3 as part of the district Universal License	June 30, 2015	Included in district licensing for 1 year	Volusia	Outcome 5
D.3.	Offer expanded CAPE industry certification opportunities as part of the district Universal License	June 30, 2015	\$185,083	Volusia	Outcome 5

### Evaluation and Success Criteria for Digital Tools:

This evaluation process enables Volusia's CTE Department to monitor progress toward the specific goals and targets and make mid-course (i.e. mid-year) corrections in response to new developments and opportunities as they arise.

Digital Tools Evaluation and Success Criteria		
Deliverable	Monitoring and Evaluation and Processes	Success Criteria
D.1.	Reporting completed through Certipoint to look at progress toward earning Digital Tool Certificates and Industry Certifications	Increase from 67% to 75% passing rate for students to earn either Digital Tool Certificates or Industry Certifications



**E. Online Assessments**

Technology infrastructure and devices required for successful implementation of local and statewide assessments are considered in this section. The analysis of readiness for computer-based testing includes an analysis of the network, bandwidth, and wireless needs that coincide with an increased number of workstations and devices.

The district reviewed current technology specifications for statewide assessments ([www.FSAssessments.com/](http://www.FSAssessments.com/)) and schedule information distributed from the K-12 Student Assessment Bureau.

<b>Online Assessment Implementation</b>					
	<b>Deliverable</b>	<b>Estimated Completion Date</b>	<b>Estimated Cost</b>	<b>School/ District</b>	<b>Outcome from Section A)</b>
E.1.	Review assessment schedule and analysis of network logs to determine strategies to ensure appropriate bandwidth during testing windows	December, 2014	Established contracts	Volusia	Outcome 1,2,3,4,5
E.2.	Increase the student to computer (meeting assessment specs) ratio in grades 4-5	December, 2014	\$558,384	Elementary schools, including charters	Outcome 1,2,3,4

<b>Online Assessment Implementation</b>	
<b>Brief description of other activities</b>	<b>Other funding source</b>
Increase the student to computer ratio (computers meeting assessment specifications)	Capital Outlay, SIG Grant – Atlantic High

**Evaluation and Success Criteria for Online Assessments:**

This evaluation process will enable the district to monitor progress toward the specific goals and targets of each deliverable and make mid-course (i.e. mid-year) corrections in response to new developments and opportunities as they arise.



## Volusia County School District: 2014-2015 Digital Classroom Plan

Online Assessment Evaluation and Success Criteria		
Deliverable (from above)	Monitoring and Evaluation and Process(es)	Success Criteria
E.1.	Monitor Technology Infrastructure and Resources Surveys	Increase student to computer ratio to meet goal of 2:1 computing districtwide

