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A 2020 Vision

All students will succeed through empowering stakeholders in the areas of communication, collaboration, content, assessment and evaluation, and creation

Why 2020?

Today's (fall 2008) first graders are the class of 2020. If they and all graduating classes are to succeed we need to have a 2020 Vision. That is, we need to focus on the future in order to bring clarity to today. The focus needs to empower the educational community to

- advance the learning experiences of every learner;
- support education with tools to collect, access, analyze, and utilize information meaningfully;
- and promote efficiency of the organization

The three focus areas above are from the Regional Technology Vision established in 2005 by educators in Calhoun and Branch counties. In order for the class of 2020 to be successful, we as an educational community must keep those three focus areas in mind as we collaboratively empower:

- the evidence driven leader
- the connected educator
- the 21st century learner
- the digital family

In order to accomplish this, we must empower stakeholders with quality communication, collaboration, content, assessment and evaluation, and innovation. Without these essential elements, the class of 2020 will be prepared for today. With these essential elements, they will be prepared for their tomorrow.

What are the strategies?

The strategies on the following pages were shaped by educational leaders in Barry, Branch and Calhoun counties in an effort to identify common strategies that schools can use in their school improvement planning. With districts using common strategies, the likelihood of collaboration in planning, implementing, and finding funding sources for the strategies increases.

Supporting Documentation:

www.school2-0.org

Each strategy in this 2020 Vision document has alignment to multiple standards in the area of Educational Technology:

2008 National Educational Technology Standards for Teachers

2007 National Educational Technology Standards for Students

2002 National Educational Technology Standards for Administrators

Choose 'NETS' at www.iste.org

A 2020 Vision: All students will succeed through empowering stakeholders in the areas of communication, collaboration, content, assessment and evaluation, and creation

Areas → Strategy ↘ Stakeholder ↓	Communication (Access to Connections)	Collaboration (More Opportunities)	Content (Enriched Curriculum)	Assessment and Evaluation (Superior Feedback)	Creation (Increased Innovation)
The evidence driven leader	<i>Empower leaders with ample and reliable access to data that is easily and readily accessible through multiple means (laptops, handhelds using online tools/programs through high speed connectivity)</i>	<i>Empower leaders with ample and reliable access to collaborative opportunities and professional development that is easily and readily accessible through multiple means</i>	<i>Empower leaders with ample and reliable access to content that is easily and readily accessible through multiple means</i>	<i>Empower leaders with quality data mining tools and professional development designed to build a culture of quality data and continuous improvement for student success</i>	<i>Empower leaders with resources and collaborative opportunities designed to promote increased innovation through creation and use of quality resources</i>
The connected educator	<i>Empower educators with ample and reliable access to resources that is easily and readily accessible through multiple means (laptops, handhelds using online tools/programs through high speed connectivity)</i>	<i>Empower educators with ample and reliable access to collaborative opportunities and professional development that is easily and readily accessible through multiple means</i>	<i>Empower educators with ample and reliable access to content that is easily and readily accessible through multiple means</i>	<i>Empower educators with quality data mining tools and professional development designed to build a culture of quality data and continuous improvement for student success</i>	<i>Empower educators with resources and collaborative opportunities designed to promote increased innovation through creation and use of quality resources</i>
The 21st century learner	<i>Empower learners with ample and reliable access to resources that apply 21st century skills and are easily and readily accessible through multiple means (laptops, smart phones, handhelds using online tools/programs through high speed connectivity)</i>	<i>Empower learners with ample and reliable access to collaborative opportunities and professional development that is easily and readily accessible through multiple means that support 21st century skills</i>	<i>Empower 21st century learners with ample and reliable access to content that is easily and readily accessible through multiple means</i>	<i>Empower a culture of quality data and continuous improvement for student success through assessing 21st century learners using quality data mining tools and professional development resources</i>	<i>Empower 21st century learners with resources and collaborative opportunities designed to promote increased innovation through creation and use of quality resources</i>
The digital family	<i>Empower families with ample and reliable access to resources that are easily and readily accessible through multiple means (laptops, smart phones, handhelds using online tools/programs through high speed connectivity)</i>	<i>Empower families with ample and reliable access to collaborative opportunities and professional development that is easily and readily accessible through multiple means</i>	<i>Empower families by working with area Internet providers to provide ample and reliable access to content that is easily and readily accessible through multiple means</i>	<i>Empower families with focused professional development designed to help them understand where they can help their student(s) in order to build a culture of quality data and continuous improvement for student success</i>	<i>Empower families with resources and collaborative opportunities designed to promote increased innovation through creation and use of quality resources</i>

The following pages provide greater detail for each area by identifying tools that can be used to support each strategy.

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<p><i>The evidence driven leader</i></p>	<p><i>Empower leaders with ample and reliable access to data that is easily and readily accessible through multiple means (laptops, handhelds using online tools/programs through high speed connectivity)</i></p> <p>Examples of data tools</p> <ul style="list-style-type: none"> • Email • Video Conferencing • Wireless Internet • High Speed Internet • Web based storage • Cell phones/texting/iPhone/Blackberry • Handhelds • Laptops • Ample and reliable access to data • Data should be easily and readily accessible • Open standards (software interoperability) • Data Interoperability • Centralized idea warehouse • Utilize tools – model (e.g. Google Groups) • Make different tools available 	<p><i>Empower leaders with ample and reliable access to collaborative opportunities and professional development that is easily and readily accessible through multiple means</i></p> <p>Examples of collaboration tools:</p> <ul style="list-style-type: none"> • Email • Video Conferencing • This leader must have a collaborative mindset and accessible to staff (physically as well as virtually) • Wikis/Blogs • Google Docs • Blackboard/Moodle • Work more closely with students/parents/teacher on vision • Opportunities available 	<p><i>Empower leaders with ample and reliable access to content that is easily and readily accessible through multiple means</i></p> <p>Examples of content tools:</p> <ul style="list-style-type: none"> • Virtual field trips • Students select most effective tools to learn • Borderless School • Learner Driven • Global • World perspective • Students must assess what they need to complete • Vertical curriculum alignment • Using data to ensure teachers are using technology and best practice • How to screen 	<p><i>Empower leaders with quality data mining tools and professional development designed to build a culture of quality data and continuous improvement for student success</i></p> <p>Examples of assessment and evaluation tools:</p> <ul style="list-style-type: none"> • Data warehouse/Data Director • Blackboard • Zoomerang • Self assessment as well as teacher assessed activities • Immediate • Non judgmental • Encouraging • Alternatives • Adaptive • Authentic • Continuous progress model • Classroom Response System (CPS) • Grade book • Standardized assessment tools to determine each student's understanding 	<p><i>Empower leaders with resources and collaborative opportunities designed to promote increased innovation through creation and use of quality resources</i></p> <p>Examples of creation tools:</p> <ul style="list-style-type: none"> • Unlimited resources via the internet • Students select tools which work best for them • Shared development • Synergistic • Grade book • Video Conferencing

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The connected educator	<p><i>Empower educators with ample and reliable access to resources that is easily and readily accessible through multiple means (laptops, handhelds using online tools/programs through high speed connectivity)</i></p> <p>Examples of resources:</p> <ul style="list-style-type: none"> • Email • Video Conferencing • Online Books • Cell phones/texting/iPhone/Blackberry • Handhelds • Laptops • They need tools and training • Bandwidth • Open standards • Open source software • Blue tooth • Online student/teacher collaboration software • Online assessments • Centralized idea warehouse • Digital tools – access knowledge (blogs, email, Google Docs, Wikis) • Make different tools available • Skype epals • Online classrooms 	<p><i>Empower educators with ample and reliable access to collaborative opportunities and professional development that is easily and readily accessible through multiple means</i></p> <p>Examples of collaboration tools:</p> <ul style="list-style-type: none"> • Email • Video Conferencing • Time and support needed for collaboration • Wikis/Blogs • Google Docs • Blackboard/Moodle • Strategy Sharing • Connecting with experts via the internet • Virtual field trips • Podcasts • Classroom management tools • Widen collaboration beyond departments or grade levels (Google Groups and Google Docs) 	<p><i>Empower educators with ample and reliable access to content that is easily and readily accessible through multiple means</i></p> <p>Examples of content tools:</p> <ul style="list-style-type: none"> • Online books • United Streaming • Opportunities for continued professional growth • Borderless School • Learner Driven • Global • World perspective • Students must assess what they need to complete • Access to proven curricular instruction • Photo stories • Primary sources online • Podcasts • Learn how to learn • Teach how to learn • How to screen 	<p><i>Empower educators with quality data mining tools and professional development designed to build a culture of quality data and continuous improvement for student success</i></p> <p>Examples of assessment and evaluation tools:</p> <ul style="list-style-type: none"> • Data warehouse/Data Director • Zoomerang • Immediate • Non judgmental • Encouraging • Alternatives • Adaptive Assessment • Authentic • Classroom response system (CPS) • Develop rubrics that develop and focus on content and process rather than on ‘creeping elegance.’ • Grading done, immediately sent to data warehouse – connected to state standards 	<p><i>Empower educators with resources and collaborative opportunities designed to promote increased innovation through creation and use of quality resources</i></p> <p>Examples of creation tools:</p> <ul style="list-style-type: none"> • Unlimited resources via the internet • Shared development • Synergistic • Collaborative workspace for students and teachers • Video conferencing • Podcasts

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The 21st century learner	<p><i>Empower learners with ample and reliable access to resources that apply 21st century skills and are easily and readily accessible through multiple means (laptops, smart phones, handhelds using online tools/programs through high speed connectivity)</i></p> <p>Examples of resources:</p> <ul style="list-style-type: none"> • Cell phones/Smart phones • Universal access • Handheld • Laptops • Texting • More access to virtual work spaces for students • More use of existing tools like Google Docs • Bandwidth • Blogs • Internet • Successfully utilize tools/materials • Stay in contact longer • Students are not concerned or aware of races, dress, attire • Make different tools available • Skype epals • Video conferencing • Online classrooms 	<p><i>Empower learners with ample and reliable access to collaborative opportunities and professional development that is easily and readily accessible through multiple means that support 21st century skills</i></p> <p>Examples of collaboration tools:</p> <ul style="list-style-type: none"> • Podcasts • Video Conferencing • Wikis • More access to virtual work spaces for students • More use of existing tools like Google Docs • Global/Diverse • Cell Phones • Equitable Access • Multiple languages • Cultural experiences • Diversity is norm • Opportunities and needed tools available • Online collaboration tools (Google, ??) • Online classroom 	<p><i>Empower 21st century learners with ample and reliable access to content that is easily and readily accessible through multiple means</i></p> <p>Examples of content tools:</p> <ul style="list-style-type: none"> • Blackboard • United Streaming • Effective searching/filtering skills • Be able to access, evaluate and utilize information • Effective communication • Speaking and listening • Meaningful learning using inquiry • Wikipedia • Howstuffworks.com • Global understanding of cultures • Open knowledge resources • Podcasts • Learn how to learn • How to screen good from trash • Learn to collaborate and compete 	<p><i>Empower a culture of quality data and continuous improvement for student success through assessing 21st century learners using quality data mining tools and professional development resources</i></p> <p>Examples of assessment and evaluation tools:</p> <ul style="list-style-type: none"> • Zoomerang/Surveys • Classroom Response System (CPS) • Data warehouse • Individualized education • Multiple ways to show proficiency (portfolio, online tests, performance based) • Adaptive assessments (lead to learning targets) • Immediate grades on assignments linked to state standards in a data warehouse • Post projects and get feedback (global) • Use CPS or cell phones to collect info 	<p><i>Empower 21st century learners with resources and collaborative opportunities designed to promote increased innovation through creation and use of quality resources</i></p> <p>Examples of creation tools:</p> <ul style="list-style-type: none"> • Unlimited resources via the internet • Seat time irrelevant • Continuous learner • Access to data right to the source – live • Free publishing • Internet gives access to multiple world views • Limited seat time • No calendar

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The digital family	<p><i>Empower families with ample and reliable access to resources that are easily and readily accessible through multiple means (laptops, smart phones, handhelds using online tools/programs through high speed connectivity)</i></p> <p>Examples of resources:</p> <ul style="list-style-type: none"> • Atomic Learning • Cell phones/Smart phones • Universal access • 24/7 access • Free access • Handhelds, Laptops • Parent access to classroom via video • Access to continuous progress model • student email, email between teacher and student/teacher and parent • Family needs high speed internet connection and equipment to connect • Opportunities for families to learn • Open standards and hardware/software • Online classroom web pages • Access/training to use digital tools • Make different tools available • Equitable access 	<p><i>Empower families with ample and reliable access to collaborative opportunities and professional development that is easily and readily accessible through multiple means</i></p> <p>Examples of collaboration tools:</p> <ul style="list-style-type: none"> • Moodle • Podcasts • Web cams/Video Conferencing • Wikis • Virtual access to staff, grades, classroom • Content Management System (CMS): Blackboard, Moodle, eChalk • Web 2.0 tools (Google Docs, etc.) • Email • Text messaging • School/Teacher web pages • Online classroom 	<p><i>Empower families by working with area Internet providers to provide ample and reliable access to content that is easily and readily accessible through multiple means</i></p> <p>Examples of content tools:</p> <ul style="list-style-type: none"> • Atomic Learning • Online access to student grades • Teacher websites with resources and description of activities • Podcasts of classroom activities • Homebound – video archives online/video conferencing • How to screen good from trash 	<p><i>Empower families with focused professional development designed to help them understand where they can help their student(s) in order to build a culture of quality data and continuous improvement for student success</i></p> <p>Examples of assessment and evaluation tools:</p> <ul style="list-style-type: none"> • Classroom Response System (CPS) • Data warehouse • Access to continuous progress model • Parent Connect (on Zangle) 	<p><i>Empower families with resources and collaborative opportunities designed to promote increased innovation through creation and use of quality resources</i></p> <p>Examples of creation tools:</p> <ul style="list-style-type: none"> • Unlimited resources via the internet • Synergy • Futuristic educational gaming: second life