THE SCHOOL DISTRICT OF ESCAMBIA COUNTY Curriculum & Instruction/Human Resource Services/ Risk Management	**SCHOOL BOARD AGENDA EXECUTIVE SUMMARY**

TITLE Establishment of Ferry Pass Middle School Game and Application Development Academy		SUBMITTED BY: PAUL FETSKO ASSISTANT SUPERINTENDENT CURRICULUM AND INSTRUCTION
PERIOD OF GRANT/CONTRACT. REQUEST Beginning with the 2012-13 school year	FUNDING SOURCE VOC FTE	PROJECT COORDINATOR AND DEPARTMENT LESA MORGAN DIRECTOR, WORKFORCE EDUCATION MICHELLE L. TAYLOR WORKFORCE EDUCATION SPECIALIST
AMOUNT OF FUNDING REQUEST – *Is amount more, less or same as last year?* *(Explain differences at end of Purpose section if additional space is required)* N/A – New career academy		TOTAL PROJECT – *Is amount more, less or same as last year?* Carl D. Perkins, Workforce Education Department, and school-based funds

PURPOSE

To establish Game and Application Development Academy at Ferry Pass Middle School

IMPLEMENTATION PLAN

Recruit and enroll students interested in game and application development.
Design and implement curriculum that provides rigorous and relevant instruction in academics and technical areas that leads to industry certifications and enables students to experience externships related to career pathway area.
Provide in-service opportunities for staff to develop professional skills in order to deliver quality instruction.
Collaborate with Next Generation Learning Community Information Technology Advisory Council to build partnerships with business community.

PARTICIPATING SCHOOLS/AGENCIES

Ferry Pass Middle School

ACTION REQUIRED

School Board Approval

STRATEGIC ALIGNMENT – *Include number and definition of Pillar, Goal and Measurable Objective.*

PILLAR: Quality
GOAL: Q.1 To increase rigor at all levels
MEASURABLE OBJECTIVE: Q.1.4. Increase the percent of participation in accelerated courses at the middle and high school levels.

GOAL: Q.2 To improve attendance and discipline of students
MEASURABLE OBJECTIVE: Q. 2.1. Create a culture of instruction that will result in increased attendance as measured by average daily attendance (ADA).

DIRECTOR	DATE
[signature]	11/28/11

ASSISTANT SUPERINTENDENT	DATE	DATE OF BOARD APPROVAL
[signature]	11-29-11	

Escambia County School District
Middle School Career Academy Application

1. Date November 19, 2011

2. School Ferry Pass Middle School

3. Principal Dr. Regina Lipnick

4. Name of proposed academy and school year for implementation

Game and Application Development Academy (GADA)
2012-13 Implementation

5. Academy's mission and goals

GADA's Mission
Students explore video game design, software development skills, and related careers by engaging in learning activities involving video game and mobile application creation. Academic learning is enhanced, including mathematics and writing which are integral in the video game development process.

GADA's goals are to
1. prepare students for high school study in video game design and related fields such as computer science, digital art and engineering;
2. excite and inform students about career alternatives in the video game design industry and related fields such as computer science, digital art and engineering;
3. instill in students a positive self-image and teach them teamwork, leadership skills, positive social interaction and good communication skills; and
4. encourage related businesses and public organizations to support these efforts.

6. Number of potential students for academy from residential school, including student survey results.

A total of 150 students are currently enrolled in an eighth-grade business/information course that focuses on game development. As the GADA develops, students will participate in a course sequence so that, eventually, 225 students will participate in GADA.

7. Name of district high school career academies in which the proposed middle school career academy students could apply for continuance of similarly, career-themed preparation.

J. M. Tate High School – Game, Simulation & Animation Academy
West Florida High School – Information Technology Academy

West Florida High School – Multimedia Academy
Pine Forest High School – New Media Academy

8. Industry certifications associated with related high school career academies.

Adobe Certified Associate - Flash
Adobe Certified Associate – Photoshop
Microsoft Office Specialist
CIW Internet Business Associate

9. Postsecondary certificates and/or degrees associated with academy completers.

- Pensacola State College – Computer Programming & Analysis, Associate of Applied Science
    o Simulation/Game Design Emphasis
- University of West Florida - Computer Science, Bachelor of Science
    o Computer Information Systems
    o Computer Science
    o Software Engineering

10. Academy contact (lead instructor) name, department, and telephone number and extension.

Thomas Maher, Business/Information Technology Teacher
850-494-5650

11. List anticipated costs such as facility upgrades, equipment, materials/supplies, and personnel which are currently not on site.

The primary facility upgrade needed for the Video Game Development Academy is remodeling the student workstations to eliminate four-foot high walls that separate each workstation. The original workstation design was made for modular technology curricula, and the high walls need to be lowered to increase the teacher's ability to manage the instruction effectively.

12. Funds that may be available for academy support *(including school, district, grants, and business funds).*

There are no anticipated major investments in capital equipment needed. Future resource needs include teaching resources such as textbooks, software, and supplies. In addition, teacher training will be needed for specialized software including Adobe Flash. Carl D. Perkins, Workforce Department, and Ferry Pass Middle School funds are the primary sources to address these needs.

13. Marketing plan for the academy (*including how academy will be marketed to students/parents and business/industry partners*).

- Promote the Game and Application Development Academy through the Workforce Education Department, School Choice Department, and Ferry Pass Middle School web pages.
- Notify parents of 5th grade students through a direct mailing prior to the School Choice career academy application window.
- Ferry Pass Middle School will develop a marketing plan to inform students of Game and Application Development Academy enrollment opportunities.
- Game and Application Development Academy teachers will attend the Information Technology Advisory Council meetings twice a year to develop connections with business partners.

14. Academy Education Plan

a) Describe how the academy design will service all levels of students.

The structure of all of the academies is based on a hands-on cooperative learning approach. This approach utilizes the strengths of each team member to accomplish the goals of the projects, while offering students rigorous activities at all ability levels.

b) List school-based career academy leadership team members (lead academy teacher, academic teacher(s), guidance counselor, administrator).

Thomas Maher, Business/Information Technology Teacher
Sharon Lasseter, Business/Information Technology Teacher
Kaye Worley, School Guidance Counselor
Sherri Mims, Assistant Principal
Dr. Regina Lipnick, Principal

c) Identify the academic courses to be used in cohort scheduling of career academy students. Describe strategies to be used to integrate the career and technical and academic career academy curriculum.

ACADEMY COURSE SEQUENCE		
6th Grade	All required courses, plus Dimension M Mathematics	All required courses, plus Dimension M Mathematics
7th Grade	1. Math 2. Language Arts 3. Science 4. Social Studies 5. Reading/PE/Personal Development	1. Math 2. Language Arts 3. Science 4. Social Studies 5. Reading/PE/Personal Development

	6. CTE – Computer Applications in Business 1 7. Elective (PE, Band) 8. Lunch/RTI/Research	6. CTE – Computer Applications in Business 2 7. Elective (PE, Band) 8. Lunch/RTI/Research
8th Grade	1. Math 2. Language Arts 3. Science 4. Social Studies 5. Reading/Physical Education 6. CTE – Computer Applications in Business 3 7. Elective (PE, Band, Chorus) 8. Lunch/RTI/Research	1. Math 2. Language ARts 3. Science 4. Social Studies 5. Reading/Physical Education 6. CTE – Computer Applications in Business 4 7. Elective (PE, Band, Chorus) 8. Lunch/RTI/Research

d) Describe how the school will address recruitment of underrepresented student populations.

All career and technical programs are open to all students without regard to race, age, national origin, sex or handicapping condition. Access to career and technical education programs will be provided to special population students through recruitment activities including the dissemination of information to students about the availability of career and technical programs. The district will use data concerning special population students enrolled in CTE programs to monitor the programs and to ensure that assurances prescribed for special populations will be conducted by appropriate staff. To assist the district in serving special populations, the following program opportunities will be provided to all students including students from special populations:

- Targeted community outreach and recruitment
- School and program orientation sessions
- Career assessment and counseling
- Advisors and mentors from the business community
- Work-based learning opportunities
- Participation in Career and Technical Student Organizations
- Hands-on learning experiences
- Instructional staff trained to provide appropriate activities for students

Traditionally, more males become information technology workers; thus, extra efforts will be made to recruit females.

e) Describe the professional development plan to support the academy model.
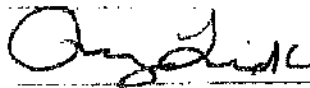
The Game and Application Development Academy teacher will participate in professional development including Adobe Flash, Microsoft PowerPoint, and relevant conferences.

f) Identify the business advisory council that will oversee the career academy.

Act Innovations	Hixardt Technology
Aerovironment	IHMC
Airlift Technologies International	L3 Communications
Andrews Institute	Listener Group
CH2M Hill	OIE (On-Line Employment)
Clearwire	Overgroup
Coco Design	Separation Systems
Creative Data Concepts	SimWright

As the instructional leader of Ferry Pass Middle School, I endorse this application for establishing the academy described above.

Principal signature _~~~~~~~~~~~~~~~_ **Date** _____

If the academy is approved, the principal shall be required to submit an annual progress report using the Career Academy Assessment.

Date of Academy Application Review: _//-29-//_

(✓) Application approved as submitted

(   ) Application approved with required modifications
    (see attached)

(   ) Application not approved

Review Committee Chair signature: _~~~~~~~~~~~~~~~_