HIGH SCHOOL ATTRACTOR PROGRAMS:
ST. LUCIE PUBLIC SCHOOLS

November 21, 2016
Agenda Overview

• General Session
  – Dr. Helen Wild
    Chief Academic Officer, Office of Teaching and Learning

• School Presentations

• Break-out “Open House” Sessions
High School Programs

— All schools offer rigorous college courses and career themed courses leading to college credit and industry certifications.

— Attractor programs offer additional choice
Overview of Attractor Programs

• Two Types of Attractor Programs:
  – **College Level Programs**: Lead to College Credit
  – **Career, Technical/Programs**: Lead to College Credit and Industry Certification
Overview of Attractor Programs

• College Level Programs
• Special Features:
  – Rigorous courses expose students to college curriculum while in high school
  – Better prepared for college
  – Competitive transcripts for entrance and scholarships
  – Exposure to national and international curriculum
  – Reduces college expenses for families
Overview of Attractor Programs

• Attractor College Level Programs
  – International Baccalaureate
  – Marine Oceanographic Academy
  – Aerospace and Engineering
Overview of Attractor Programs

• International Baccalaureate
  – Full Time Diploma Program:
    • Lincoln Park Academy
    • Port St. Lucie High School
  – Part Time Flexible Program
    • Port St. Lucie High School
Overview of Attractor Programs

• Marine Oceanographic Academy:
  – Partnership between Fort Pierce Westwood and Florida Atlantic University at Harbor Branch Oceanographic Society
  – Study the Field of Science with Nationally Renowned Scientists on the Inter-coastal
  – On-Campus Courses include Dual Enrollment and Advanced Placement
Overview of Attractor Programs

• Aerospace and Engineering: Fort Pierce Central
  – Combination Career, Technical Program and Dual Enrollment College Credit Program
  – Partnership with Embry-Riddle Aeronautical University, renowned institution in the field
  – High Tech Lab and University Faculty Instructor
Overview of Attractor Programs

• Career Technical Attractor Programs
  – Agricultural Science
  – Veterinary Science
Overview of Attractor Programs

• Agricultural Science
  – Hands-on program involving the animal science, horticulture, plant biotechnology, and related technologies
  – Become a Certified Agricultural Technician
Overview of Attractor Programs

- Veterinary Science
  - Become a Certified Veterinary Assistant
  - Class in a small animal lab setting
  - Surgeries are done with the assistance of local veterinarians in the school’s working lab
  - Articulation agreement leading to college credit
PROGRAM
ADMISSIONS CRITERIA
Admissions Criteria

• Specific to Programs
• Invited to event based on
  – Level 3 or higher in: FSA ELA (Reading/Writing) and applicable math exam [FSA Math, Algebra EOC or Geometry EOC]
• Demand is high and capacity is limited
• Admission is not guaranteed
Application Process
Application Process

• Students/Parents should review entry criteria for program of interest

• Applications available
  – SLPS website
  – Student Assignment Office
Application Timelines

• Two rounds of applications:
  – Round One: 11/22/16 to 12/9/16
  – Round Two: 1/03/17 to 1/20/17
  – Notifications:
    – Round One: 1/09/17
    – Round Two: 01/31/17

• Applications due to student assignment office for first round by Dec. 9th
Application Process

• Please ensure that application is complete according to program criteria
• **One** application per student will be accepted.
• If student is not admitted to requested program, a new application may be submitted in the second round where seats are available
Special Note

• Transportation provided through community hubs, more limited than attendance zones
• Distance to bus stop may be further than bus available for zoned school
• Students must remain in the program. Students who drop program coursework will be reassigned to zone school
Selecting an Attractor Program

1. Learn about programs and criteria
2. Discuss all your options
3. If applying, check that application is complete
ATTRACTOR NIGHT
FT. PIERCE WESTWOOD
WESTWOOD AGRICULTURE PROGRAM

- Courses of study within the program
  - Agritechnology
  - Veterinarian Assisting
  - Capstone UAS (Unmanned Aerial Systems) agriculture course
Agriculture Foundations (9th grade)
Agritechology 1 (10th grade)
Agritechology II (11th grade)
UAS Capstone course or directed studies (12th grade)
UAS (UNMANNED AERIAL VEHICLE) IN AGRICULTURE CAPSTONE CLASS

- Offered to those who have completed either the vet or ag tech course work or are in their final year.
- Pilot program this year through Embry Riddle
- Working alongside US Sugar in Clewiston for career readiness
VETERINARIAN ASSISTING

- Agriculture Foundations (9th grade)
- Vet Assisting I (10th grade)
- Vet Assisting II (11th grade)
- Vet Assisting III (12th grade)

- Optional: Vet Assisting IV Capstone


**FFA**

- Inter-curricular organization
- Students have opportunities in leadership, community service, CDEs (career development events)
  - Livestock judging
  - Horse judging
  - Food science
  - Vet assisting
  - Public speaking
  - Tractor driving
$2.2 MILLION DOLLARS IN SCHOLARSHIPS
SUPERVISED AGRICULTURAL EXPERIENCES

ENTREPRENEURSHIP/OWNERSHIP
PLACEMENT/INTERNSHIP
RESEARCH
EXPLORATORY
SCHOOL BASED ENTERPRISE
SERVICE LEARNING
OPPORTUNITIES AFTER HIGH SCHOOL

- Students graduating will be career or college ready
- Work in agricultural enterprises; vegetable farms, welders, ranches
- Go to vocational school; ex: Tulsa Welding School
- Work as a certified veterinarian assistant in a vets office
- Go to college; University of Florida, Florida A & M, etc.
Marine and Oceanographic Academy
What is MOA?

• Partnership with Florida Atlantic University and Harbor Branch
• Hands-on-learning environment where students work one on one with Harbor Branch staff and scientist
How do I get accepted into MOA?

• Must be proficient on the Florida State Assessments
  • Passing scores on recent ELA FSA (writing and reading) and FSA Math -Alg 1 EOC or Geometry EOC, as applicable.

• Strong teacher recommendation

• Low absenteeism

• Low incident of referrals
Why MOA?

• Well prepared for college (95% of our students attend college)
• Make lasting friendships
• Hands-on experiences
• Won’t get lost in the shuffle
• Be a part of a community
• Well prepared for the Florida State Assessments (every state assessment had over an 80% pass rate)
• Study a broad range of topics
• HAVE A LOT OF FUN!
Curriculum at MOA

• MOA has a heavy concentration in science as students take on average 2 science classes per year. Nearly 20% of all science classes are spent working directly with Harbor Branch.

• Opportunity to earn college credits through both Dual Enrollment as well as Advanced Placement
  • MOA currently offers 9 Dual Enrollment classes on campus which equates to a possible 27 college credits
  • MOA currently offers 8 Advanced Placement classes on campus which equates to over 24 college credits

• All students at MOA are part of the @ccess Now initiative and will receive laptops for use at both home and school.
9th Grade Schedule

• Algebra 1 Honors, Geometry Honors, or Algebra 2 Honors
• AP Human Geography
• English 1 Honors
• Marine Science 1 Honors
• Environmental Science
• Spanish 1 (or other elective)
• Freshman Seminar/Dual Enrollment Student Success
School Based Activities

- Beach Clean-up
- Fall Festival
- International Day
- Snorkeling
- Camping
- Epcot
- Sea World
- Amazing MOA Race
- Zip Lining
- Kayaking
- Sports
Harbor Branch Labs

- Kayaking
- Dissections
- Seining
- Laser Lab
- Soil Chemistry
- Properties of Water
- Ice Core Lab
- Lagoon Study
- Water Quality
- Work with Treasure Coast Research Park
For more information

• Visit our Facebook page
  • www.facebook.com/moalife1
• Visit our Website
  • www.stlucie.k12.fl.us/moa
The mission of Port St. Lucie High School is to prepare all students for personal success, college and the global workforce, by strategically designing rigorous and engaging work for all students in a caring supportive environment.

Every Student Future Ready
Welcome!!
Smaller Learning Communities!

9th Grade - Jaguar Preparatory Academy: Avengers, Barracudas, Challengers, Wizards
Our IB Program!

Choose to enroll fully in the IB Diploma program or from a “menu” of IB courses including an expanding Performing Arts “menu”!

The “menu” may be combined with dual enrollment, AP courses, ROTC, and all of our CTE programs.

Students may be fully or part time enrolled - participating in what they love!

Students are “well-rounded” and better prepared for college and the future.
IB & JROTC
Clubs and Activities

- Fishing
- First Priority
- Best Buddies
- Spanish Honor Society and National Honor Society
- HOSA (Health Occupations Skills Association)
- SkillsUSA
- SGA
- Athletic Olympiad and Odyssey of the Mind
- Academic A-Team
- JROTC Raiders
- Drone Club
- Special Olympics Program (New)
## Career Academy

<table>
<thead>
<tr>
<th>Program</th>
<th>IRSC Articulation - Credit</th>
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<tbody>
<tr>
<td>Allied Health Assisting (Medical)</td>
<td>up to 3 semester hours</td>
</tr>
<tr>
<td>Certified Nurse’s Assistant (New in 2016)</td>
<td>Up to 6 semester hours</td>
</tr>
<tr>
<td>Automotive Service Technology</td>
<td>up to 26 semester hours</td>
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<tr>
<td>Biomedical/Biotechnology</td>
<td>Up to 17 semester hours</td>
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<tr>
<td>Carpentry</td>
<td>up to 3 semester hours</td>
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<tr>
<td>Culinary Arts</td>
<td>Up to 6 semester hours</td>
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<tr>
<td>Digital Design</td>
<td>Up to 12 semester hours</td>
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<tr>
<td>Drafting/Illustrative Design</td>
<td>Up to 9 semester hours</td>
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<tr>
<td>Electrocardiograph Aide</td>
<td>Up to 350 clock hours of credit</td>
</tr>
<tr>
<td>Cyber Security</td>
<td>Up to 6 semester hours</td>
</tr>
<tr>
<td>TV Production</td>
<td>Up to 6 semester hours</td>
</tr>
<tr>
<td>Web Design</td>
<td>Up to 18 semester hours</td>
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Industry Certifications

CTE Options
Adobe Photoshop and Premiere Pro
ASE Automotive Service Excellence
MLR Brakes Master Technician
Medical Assistant
Athletic Training (Pending)
Biomedical
NCCER National Center for Construction Education and Research (Carpentry)
Culinary Operations
Cyber Security
Microsoft Suite (Word, Excel, Publisher)
Drafting and Illustrative Design
EKG Certified Technician
Network Support Services
Serve Safe
Television Production
Web Development and Design
IB Courses

- Students can earn a full IB diploma taking a combination of courses selected from:
  - English
  - Spanish
  - History of the Americas
  - Biology, Chemistry, Physics, and Psychology
  - Environmental Systems
  - Sports Exercise Science
  - Calculus, Math Studies
  - Chorus (proposed)
  - Theater, Dance, Music
IB and Performing Arts
Dual Enrollment

- PSLH offers transportation to IRSC for Dual Enrollment opportunities!
- Students can take select DE courses combined with IB classes and AP classes!
Dual Enrollment
Combination IB + AP and Honors

- AP Courses: AP English Language AP Literature, AP US History, AP Government, AP Human Geography, and AP Calculus

- In Upper School, students may also take honors levels courses in English, social studies, science and math.
Jaguar School of Medicine

- Allied Health
- Certified Nursing
- IB Sports Exercise/Athletic Training
- Biomedical/Biotechnology
- Psychology
- HOSA
Our family coming together for a challenge!!!
Lincoln Park Academy

International Baccalaureate Program

Henry Sanabria: Principal
Carol Kuhn: IB Coordinator

Questions and Answers by Lincoln Park Academy
Diploma Program Students
International Baccalaureate

• Lincoln Park Academy’s International Baccalaureate Diploma Program is designed to meet the needs of highly motivated, academically-oriented students.

• This world-class education ensures a standardized curriculum and a balanced array of assessment methods.
Preparation for the LPA IB Diploma Program begins in 9th grade

- Our traditional academic emphasis engages students as inquirers and problem solvers who reflect on how, what, and why they are learning.

- 9th and 10th grade IB MYP classes are designed to be more accelerated than honors classes.

- After successfully completing IB MYP courses, the student gains IB Diploma Program status in 11th grade.
LPA International Baccalaureate Curriculum

- **Group 1: Studies in Literature**
  Literature

- **Group 2: Language Acquisition**
  Spanish  French

- **Group 3: Individual & Societies**
  History of the Americas
  Psychology

- **Group 4: Experimental Sciences**
  Biology
  Chemistry

- **Group 5: Mathematics**
  Mathematics
  Math Studies

- **Group 6: Arts & Electives**
  Music
  Theatre

Extended Essay

Creativity, Activity, Service (CAS)

Theory of Knowledge (TOK)
IB is a Community of Learners
IB is a Community of Learners

Adobe Certification (CAPE Academy)

Civil Engineering and Architecture (PLTW)
IB is a Community of Learners

Extended Essay Tea
LPA Pre IB Program Requirements

Students are selected based on the following criteria:

• Cumulative 3.0 GPA in middle school
• Minimum achievement level of 3 on the FSA reading and math
• Successful completion of Algebra I
• Favorable teacher recommendations from current teachers
• Sample essay
• Motivation demonstrated by excellent attendance and good conduct
LPA International Baccalaureate

Balanced

Active

Knowledgeable

Compassionate

Internationally minded

Principled

Open-Minded

Young people who contribute to the global community
What defines a school?
Aerospace and Engineering Academy
Embry-Riddle Aerospace and Engineering Academy

Fort Pierce Central High School
Embry-Riddle Aerospace and Engineering Academy

• Coursework in: Engineering, Science, Aviation

• Intended for students with an interest in:
  - All engineering disciplines
  - Physical/Life Sciences
  - Mathematics
  - Aviation
  - Professional (law/medicine)

• Benefits:
  - Transcript/transferable
  - Analytical/critical thinking
  - No program cost
  - Complements HS curriculum
  - Reduced college cost/time
  - College success strategies/plan
  - Reduced college cost/time
  - College success strategies/plan

• Challenging - Applied – Experiential - Broadly Applicable
  - Fly
  - Design/Construct/Test
  - Internships
  - Laboratories/Forecast
An Insider’s Perspective… been there and done that!

- WX-201: Forecasting!

- SP-200: Bringing Mark Watney (aka: Matt Damon) home!

- AS-120: Going with the flow!
An Insider’s Perspective… been there and done that!

• AS-220: A bird, a plane, an unmanned aerial system???

• EGR-101: Why the complaints, “It’s not rocket surgery!”

• EGR-115: Using computers to solve the tough ones...
Beyond the classroom...
Professor Kevin Adkins
kevin.adkins@erau.edu
College Now/Embry Riddle Aeronautical University

- Embry-Riddle Aeronautical University
- Teacher Recommendation
- 3.0 or Higher GPA
- Maintain 3.0 Throughout Enrollment In Program
- Currently Enrolled In Algebra I Honors or Geometry Honors
- Demonstrate Passing Scores On Florida State Assessments
Why FPC?

- Progressive School
- Rigorous Academics
- Professional Atmosphere and Climate of Respect
- Documented Academic Success
- Opportunity to enroll in courses with a leading private university!
What defines a school?

- Class of 2017 – *Commitment* - we inspire and challenge people … passionate pursuit of our goals.
- Class of 2018 – *Courage* – we willingly take challenges and make things right
- Class of 2019 – *Charisma* – we make others feel good about themselves
- Class of 2020 – *Character* – we strive to do what is right all the time
- Class of 2021 – *What will you contribute?*
The mission of the St. Lucie County School District is to ensure all students graduate from safe and caring schools, equipped with the knowledge, skills and desire to succeed.
THANK YOU STUDENTS AND PARENTS FOR PARTICIPATING IN ATTRACTOR NIGHT!

St. Lucie
PUBLIC SCHOOLS

Each Child, Every Day