

Howell Private Pilot Ground School

**HOWELL HIGH
AVIATION**

 *Your wings are waiting.*
**CROSSWINDS
AVIATION**





Howell Public School District

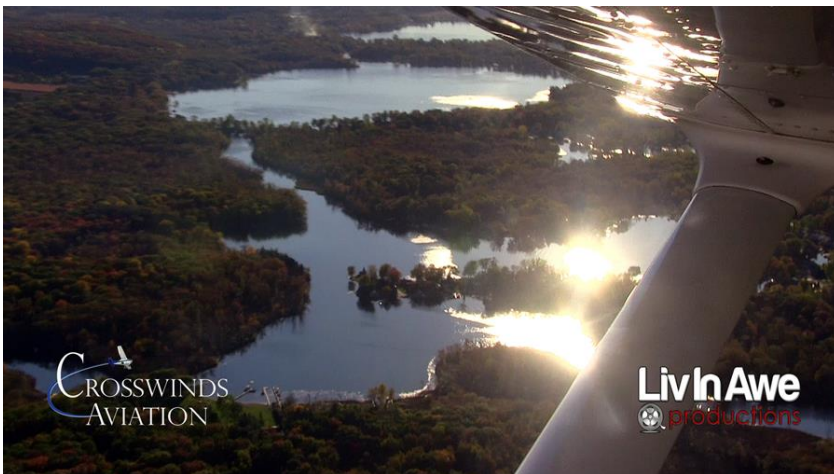


Howell Private Pilot Ground School

Brought to you by LESA and:



**Matt and Andrea Dahline-
Crosswinds Aviation Owners**



Class Mission

- Pass the Private Pilot Knowledge test
- Help those kids passionate about flying fulfill their dreams by providing the foundational knowledge to launch them into their pilot career.

Inaugural Private Pilot Ground School Class – Fall 2013

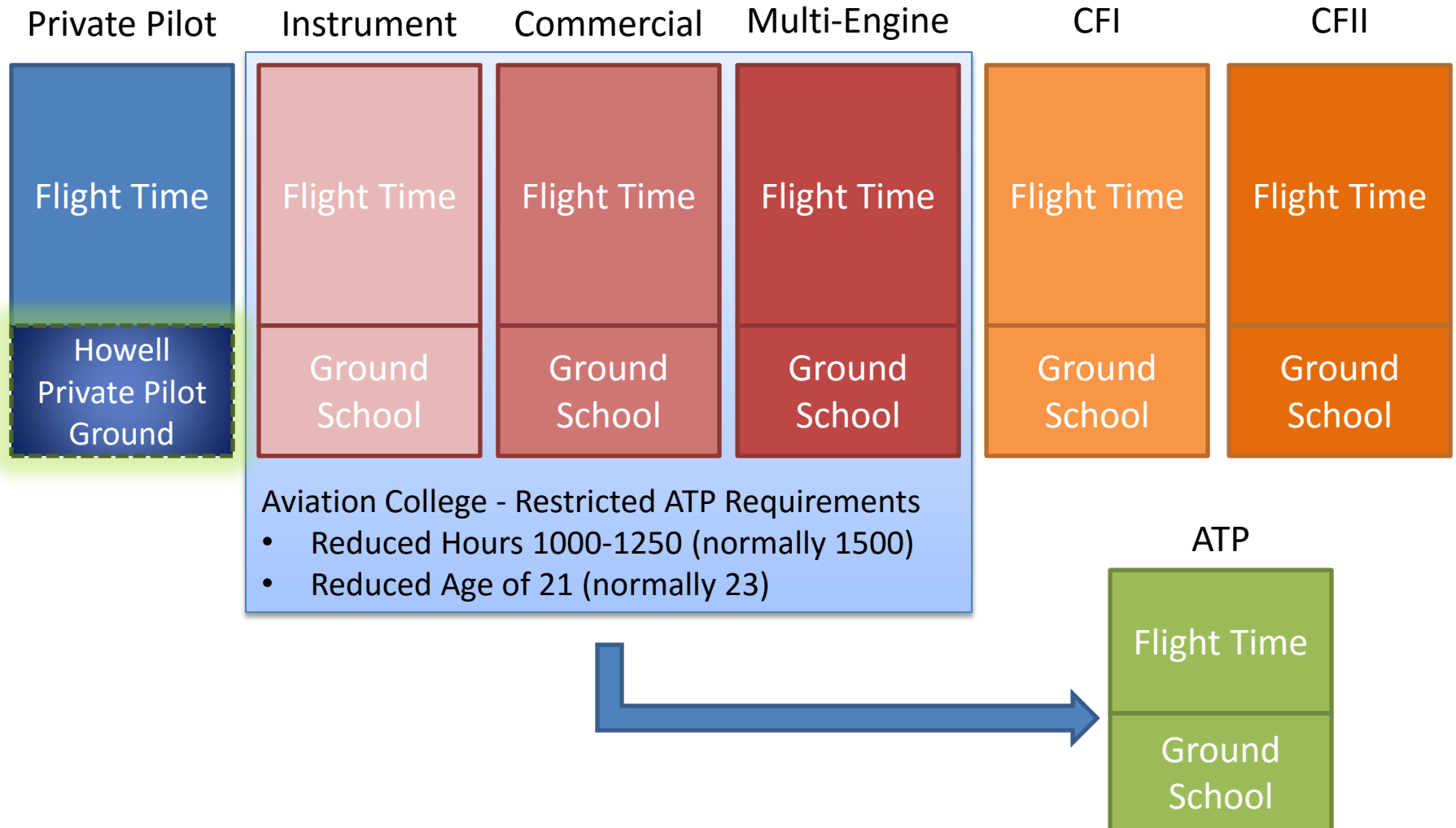


Aviation Industry Background

- Aviation industry represents about 5% of the U.S. GDP.
- It is the single largest industry in our country
- Components of Aviation Industry
 - Airlines
 - Regional Airlines
 - Maintenance
 - Air Traffic Control
 - FAA
 - Banner Towing
 - Pipeline Patrol
 - EMS
 - Forestry
 - Agriculture
 - Charter operations
 - Aircraft/Aerospace Manufacturers
 - Space exploration
 - Airport Operations
 - Flight Schools & Collegiate Programs



The Career Pilot Path



What is the competitive advantage ?

- **Why start in high school?**
 - **Save Money!**
 - \$10K at Crosswinds vs. \$14K - \$19K at College Program
 - **Private License at age 17**
 - **Assess Piloting as Career**
 - **Earn 10 College Credits**
 - From Northwestern Michigan College if Private License completed at Crosswinds Aviation.
 - **Demand for Pilots due to potential pilot shortage.**
 - **“Fast Track” into Collegiate Programs**
 - Go right into Instrument training and be ahead of peers.
 - **Great resume builder when interviewing**
 - **Make money flying and build hours**
 - Can become a Flight Instructor sooner

Students Reaching new Horizons

- Exposure to many aspects of Aviation Industry
 - Students climb aboard an airplane & learn about aircraft
 - EAA Mason pilots donate 1st flight of students
 - EAA Young Eagle's program donates 1st flight lesson with a certified flight instructor in the plane (\$120 value)



EAA Chapter 384 Pilots donate flights to students

- **Students meet with industry experts and gain exposure to the various aspects of aviation**
 - **Maintenance**
 - **Air Traffic Control**
 - **Aviation Colleges and Universities**
 - **Hands on training at Crosswinds Aviation**

Matt Tingley teaching engine maintenance



Al Larson from Northwestern Michigan College



Art Mortvedt – Pilot of the “Polar Pumpkin”



- **Airline & Corporate Pilots**
- **FAA Designated Pilot Examiners**
- **Flight School Operations**
- **Flight planning and cross country flying**

Matt Dahline-
Cross country flight planning demo



Trent Haverstick-
Delta Airlines First Officer



Matt Dahline-
Flight controls & Airplane pre-flight demo



\$470 Young Eagle Benefits

- Sporty's Online Learn to Fly Ground school
- \$120 toward flight lesson after completing first 3 volumes of Sporty's course
- Reimburse Students that take and pass FAA Written Exam (\$150 value)



Medical Requirement

Before you can solo an aircraft you will need to obtain a **3rd class medical - student pilot certificate.**

If you are looking to fly as a career you should look to get a 1st class medical.

Please review the following sites for information regarding the following medical conditions:

Coronary Artery Disease

http://www.faa.gov/licenses_certificates/medical_certification/specialissuance/coronary/

Hypertension (or high blood pressure)

http://www.faa.gov/licenses_certificates/medical_certification/specialissuance/hypertension/

Insulin-Treated Diabetes

http://www.faa.gov/licenses_certificates/medical_certification/specialissuance/diabetes/

Policy on Antidepressants / ADD & ADHD medications

http://www.faa.gov/licenses_certificates/medical_certification/specialissuance/antidepressants/

Michigan Aviation Colleges



Program Successes

- 58 students through program
- 8 High school students achieved Private Pilot license
- 20 High school students working on Private Pilot rating
- Community sees as valuable program for students
- 2 local scholarships awarded
- College Level ground school setup for next year



About us

- Passionate about aviation and helping our students achieve their passion in aviation
- Been living in Howell for over 14 years
- 2 kids that attend Howell Southeast School, 4th and 6th grade



Crosswinds Aviation Core Philosophy

- **Safety is our Primary Concern**
 - Utilize Scenario based training to teach good pilot judgment
 - Highest maintenance standards possible on newer aircraft
 - Utilize the Simulator to help train to proficiency
- **Community Outreach – Creating an aviation community in Howell**
 - Working with Howell high school & middle school teachers– tours and classroom support
 - EAA member (Experimental Aircraft Association)
 - Young Eagle's Volunteer Pilot
 - Howell Chamber Member
 - Rotarian member
 - Chair of the Howell Downtown Development Authority (DDA) Business Development Team
 - Participant in the Aviation Teacher Workshops which are hosted by the Michigan Aeronautics Commission in Lansing, MI

- **Community Outreach – Continued**
 - **Sponsors of Balloonfest, Melon Fest, Farmer's Market**
 - Since 2012 have put over 3000 kids in our static display of our aircraft at Balloonfest
 - Sharing aviation with attendees and teaching aviation
 - **Tours & presentations to Howell Middle School, Boy Scouts and Girl Scouts of America**



Family flying is a lifestyle

