

Eric Nicholas March



Life and Physical Science
Educator



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Eric N. March

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Professional Goals: My goal is to utilize my education and passion for student learning to be a highly effective secondary science educator. I intend to reflect on my pedagogical approach and develop a curriculum that will lead to my students' intellectual engagement and successful mastery of the material, instilling in them a greater understanding of the scientific world. I would also like to integrate as much technology as possible into my classroom in order to pique the students' interest. I want to make myself a valued member of the community, and have an interest in leading after school activities or coaching sports such as Cross Country, Track, or Hockey.

Education:

2008	Michigan State University , East Lansing, MI Michigan Secondary Education Certification Highly Qualified: Biology (DA), Integrated Science (DI) Cumulative GPA: 3.79/4.0
2003	Michigan Technological University , Houghton, MI Bachelor of Science Degree: Biological Sciences Cumulative GPA: 3.4/4.0, Cum Laude
Summer 2003	Study Abroad , Universität Stuttgart, Stuttgart, Germany
Fall 2002	Study Abroad , University of Canterbury, Christchurch, New Zealand
1999	L'Anse Creuse High School , Harrison Township, MI Cumulative GPA: 4.02/4.0, Salutatorian, graduated ranked #2

Teaching Experience:

August 2008 - Present	Science Teacher , Traverse City West Middle School, Traverse City, MI Classes taught: 6th, 6th A/T (Advanced Placement) and 8th grade Science <ul style="list-style-type: none">• Constructed lessons both individually and collaboratively based around the new Michigan Grade Level Content Expectations (GLCE) released in 2008.• Developed exciting, inquiry based lessons focusing on practical lab skills and collaboration.• Utilized multimedia in the classroom, including PowerPoint, DVD, Wiki, online software / simulations, etc.• Took part in multiple Professional Development seminars, including Professional Learning Communities and Critical Friends.• Put students in charge of design, construction, and implementation of a school-wide composting program.• Worked with students to construct and manage an organic vegetable garden, utilizing the food produced in Consumer Science classes.• Working with students towards constructing a greenhouse on site.
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August 2007 –
April 2008

Teaching Intern, Grand Ledge High School, Grand Ledge, MI

Classes taught: **Astronomy, Anatomy / Physiology, Physical Science**

- Constructed lessons both individually and collaboratively based around the new Michigan Curriculum Framework Benchmarks and Content Expectations released in 2007.
- Utilized multimedia presentations using materials such as Power Point, DVD movie clips, Internet audio / video clips, software, etc.

Astronomy: 1 Semester Course, Seniors

- Taught to State Benchmarks subjects including the Celestial Sphere, Historical Astronomy, Stellar evolution, the Solar System, and the formation of Galaxies.

Anatomy / Physiology: 2 Semester Course, Juniors and Seniors

- Taught to State Benchmarks material such as joints, muscle location and muscle function.
- Incorporated many visual elements such as models, diagrams, pictures and dissection to allow students a better understanding of the body.

Physical Science: 2 Semester Course, Freshmen

- Taught to State Benchmarks subjects including Ionic and Covalent naming and bonding, compounds vs. mixtures, Organic Compounds, Polyatomic Ions, etc.

Professional Experience:

Summer 1999-
Summer 2004

Research Assistant, Wayne State University, Detroit, MI

Dr. Raymond Mattingly (Supervisor)

Cell signaling, prostate and breast cancer research, bacterial genomics work, general lab maintenance, etc.

Teaching Related Experience:

Summer 2006 –
Summer 2009

University Liggett School Day Camp, Grosse Pointe, MI

“Campcraft” Activity Head responsible for the daily planning and implementation of outdoor activities for ~300 1st - 7th graders. Activities include tent setup, campfire instruction, and food preparation.

Spring 2009 -
Present

Cross Country and Track Coach, Traverse City West Middle School

Traverse City, MI

6th grade coach for track and cross country. Duties include planning workouts, discipline management, and tracking split times during meets.

Fall 2007 –
Spring 2008

Cross Country and Track Coach, Grand Ledge High School

Grand Ledge, MI

Assistant Coach for the State Qualifying Men’s and Women’s Teams. Duties include running with the athletes during practice, running field events, and tracking split times during meets.

October 1999 -
May 2000

Student Technical Support Assistant, Biology Computer Laboratory

Michigan Technological University, Houghton, MI

Certifications and Skills:

Courses Highly Qualified to teach in Michigan: Astronomy, Biochemistry, Biology, Botany, Chemistry, Ecology, Environmental Science, Forensic Science, Genetics, Geology, Human Anatomy and Physiology, Life Science, Meteorology, Microbiology, Oceanography, Organic Chemistry, Physics, Weather, Zoology

Certified In: CPR, First Aid, AED

Proficient in the following Technologies: Microsoft Windows and Macintosh; Web design (Dreamweaver, Flash); Graphic Design (Photoshop, Freehand, Corel); Video editing (Sony Vegas, DVD Architect, iMovie); Audio editing (Audacity); Networking; Javascript; Digital Photography techniques (HDR, Photomatrix Pro); Microsoft Office Applications (Word, Power Point, Excel); Internet Applications (FTP, Firefox)

References:

Mr. David Jones

Astronomy, A/P teacher (Mentor)
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Mr. Fred Hutchinson

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Ms. Joyce Parker

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