

# HELEN WORTHAM

hswortham@gmail.com

## Portfolio and Skills

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hswortham.wixsite.com/illustration

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**Computer Media:** Proficiency in Adobe Illustrator, Photoshop, Chem3d, Brookhaven PDB, Cinema 4D and Poser

**Traditional Media:** Oil, Acrylic, Pen and Ink, and Watercolor

4 color/2color **Prepress and Print Formatting**, WordPress, Wix, and Weebly **Website Design**

## Experience

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### Biology and Life Science Teacher

January 2017 to Present

Strath Haven Middle School — Wallingford, PA

Philadelphia E&T Charter High School — Philadelphia, PA

- Offer high quality lesson development including lab oriented and hands-on activities.
- Implement a coherent, research-based curriculum with required department consultations.
- Develop benchmark assessments measuring student progress for state assessment requirements
- Created and head after-school Graphic Design & Game Design Club: Illustrator, Photoshop, Scratch

### Instructor Artist

June 2016 to August 2016

Digital Media Academy — Bryn Mawr College, University of Pennsylvania

- Directed week-long creative summer courses to high school and middle school aged students.
- Subjects taught: Digital Photography, Graphic Design, Animation, and Game Design

### Art Director, Illustrator

June 2006 to August 2016

Dragonfly Media Group — Conshohocken, PA

- Managed medical and scientific illustration projects and freelance personnel.
- Directed author meetings to develop style and concepts for textbook and research publication.
- Designed, created and unified art for textbooks, medical products and science-based infographics.
- Clients include McGraw Hill Education, Elsevier, W.W. Norton, and Pearson Publishing

### Illustrator

June 1997 to March 2006

J.B. Woolsey Associates — Elkins Park, PA

- Design and manipulation of simple and complex 3D chemistry and protein models for illustrations in medical, research and textbook publication.
- Flash animation for MOMA Science of the Cell interactive DVD: Transcription/Translation Segment
- Conversion of data to graphs, charts, world and country maps, and other infographics.
- Clients include Cengage Learning, Lippincott Williams and Wilkins and Cold Spring Harbor Lab Press

### Research Associate

September 1988 to May 1995

UT Southwestern Medical Center — Dallas, TX

- Headed research-lab sequencing and analysis of protein associated with Hepatitis C. Proficiency in Northern blot, Southern blot, PCR sequencing and DNA/RNA isolation.
- Purification and analysis of protein associated with Retinitis Pigmentosa. Proficiency in column chromatography, Western blot, ELISA and cell culture.

# HELEN WORTHAM

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## Education

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**Drexel University**  
Philadelphia, PA

**Graduated March 2017**

- Post-Baccalaureate Certification, Biology 7-12, Instructional I
- Praxis II Biology Content Knowledge (5235) Completed/Passed Dec. 2016

**University of the Arts**  
Philadelphia, PA

**Graduated May 1997**

- Bachelor of Fine Arts in Illustration
- Subjects taken: Graphic Design, Typography, Printmaking, Oil painting techniques, 3D artistic concepts

**Texas A&M University**  
College Station, TX

**Graduated August 1988**

- Bachelor of Science in Biology
- Subjects taken: Biology, Microbiology, Anatomy and Physiology, Anthropology, Botany, Entomology
- Corps of Cadets—Airforce ROTC

## Professional Activities

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2018-2019: Coach for **Science Olympiad Middle School Team**.  
Subjects coached include Herpetology, Circuits, Water Quality and Write It Do It.  
*Strath Haven Middle School, Wallingford, PA*

2017: Teambuilding Promotional Bundle: Flyers, Pamphlet, T shirt  
**Nursing Education Department**  
*Main Line Heath System, Radnor, PA*

2013-2016: Fundraising and art projects for **Junior High and High School Youth Program**  
*Episcopal Church of the Redeemer, Bryn Mawr, PA*

2012: Worked with Oncology and Nursing Department to **design and publish book** for patient care: Exercises to Aid After Breast Cancer Surgery  
*Lankenau Medical Center, Wynnewood, PA*

2011: **Guest lecturer and class demonstrations** on Medical and Scientific Illustration  
*Ursinus College, Collegeville, PA*

2008: Juried **Art Show** winner and subsequent full exhibition of oil on canvas paintings.  
*William Way Center, Philadelphia, PA*