

# Heather E. Murphy

337 College Hill,  
Johnson VT 05656  
(802) 624-1271  
heather.murphy@jsc.edu

---

## Education

Johnson State College anticipated May 2017  
Bachelor of Science, Environmental Science  
337 College Hill, Johnson VT 05656  
START Scholarship Recipient  
GPA 3.65/4.00

## Relevant Coursework

Earth Science	Biology: Cells and Genetics
General Chemistry	Biology: Ecology and Evolution
Environmental Problems	Fundamentals of Ecology
Zoology	Conservation Biology

## Related Experience

*Lab Technician, Johnson State College Molecular Lab.* Johnson, VT. 2014 – Present  
Develop antibiotic resistance protocol, prepare growth studies and analyze data.  
Began screening mine-isolated culture collection for antibiotic resistance.

*Board Member, Memphremagog Watershed Association.* Newport, VT. 2012 – 2013  
Organized a local buffer planting along Crystal Lake, VT.  
Presented at the annual home show in Derby to inform the general public about the watershed.  
Participated in monthly meetings and voted upon issues the Watershed Association faced.

## Computer and Social Media Skills

Microsoft Word	Adobe Illustrator
Microsoft Excel	Adobe Photoshop
Facebook	

## Honors and Awards

<i>START Scholarship</i> awarded to environmental science students, \$10,000.	2013 – 2015
<i>Margaret Ottum Scholarship</i> for undergraduate research, \$2,500.	2015
<i>Cyrus McQueen Scholarship</i> for undergraduate research, \$500.	2015

## Presentations and Scientific Meetings

- American Society for Microbiology*. New Orleans, LA. 2015  
Presented 2014 summer research conducted at Johnson State College.  
Murphy, Heather, Shayna Bennett, Elizabeth Dolci, 2015. Bacterial Adaptation to a Human-Impacted Serpentine Environment. N/A
- National Conference for Undergraduate Research*. Cheney and Spokane, WA. 2015  
Presented 2014 summer research conducted at Johnson State College.  
Bennett, Shayna, Heather Murphy, Elizabeth Dolci, 2015. Bacterial adaption to an anthropogenically-altered environment. *National Conference for Undergraduate Research Conference Program*. p. 129.
- Northeastern Geological Society of America*. Bretton Woods, NH. 2015  
Presented 2014 summer research conducted at Johnson State College.  
Murphy, Heather, Shayna Bennett, Erika English and Elizabeth Dolci, 2015. Bacterial adaption to an anthropogenically-altered, serpentine-rich aquatic environment. *Geological Society of America Abstracts with Programs*. Vol. 47 No. 3, p.78.
- New England Intercollegiate Geological Conference*, Wellesley, MA. 2014  
Attended three field sessions at the annual conference.

## Additional Experience

- Customer Service Representative, 3 Mountain Outfitters*. Smugglers' Notch, VT. 2014 – Present  
Operated cash register, priced new inventory, and restocked products.
- Peer Mentor, Johnson State College*. Johnson, VT. 2014 – Present  
Tutored students in earth science and general biology.
- Deli Clerk, Derby Village Store*. Derby, VT. 2012 – 2013  
Prepared deli orders for customers and packaged meat products.