

# STARBASE VERMONT



SPRING 2023

## STEMIST SPOTLIGHT

Let us tell you about some STEMists who did groundbreaking work in their fields:

\***Jessica Meir**, a biologist and astronaut who completed the first all-women spacewalks



\***Stephen Hawking**, an astrophysicist who changed the understanding of the universe with his theories on black holes



Their interactive profiles are available to explore after the last page, on our Facebook page and our Bitmoji classroom!



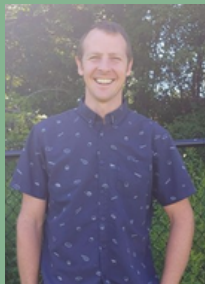
## SOUTH BURLINGTON

Preparing the Youth for a Future in Technology: For many years STARBASE Vermont has taught engineering through the use of professional-grade, computer-aided design [CAD] software. By using this software students are exposed to the same technology that practicing engineers use daily. Recently, STARBASE Vermont has transitioned from Creo to the cloud-based software, OnShape. With the help from PTC Education, we are teaching dynamic CAD lessons that keep students highly engaged. [cont. on p.2]

Our mission is to raise the interest and improve the knowledge and skills of youth in science, technology, engineering, and math.

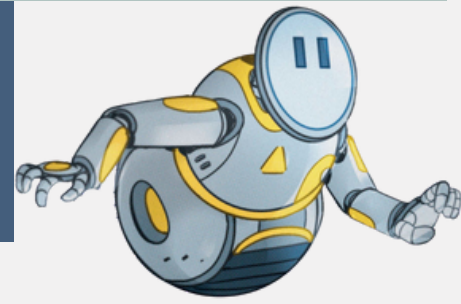
## RUTLAND

Meet our new training coordinator: Crew! He grew up in Maine before attending college in Vermont. He has coached soccer in Vermont, skiing in Colorado, and sailing in Maine. He chose his call sign because he used to be part of a crew when sailing.



When Crew isn't teaching, he's learning. Currently, he is learning how to be a good father, husband, skier, mountain biker, golfer, and carpenter.

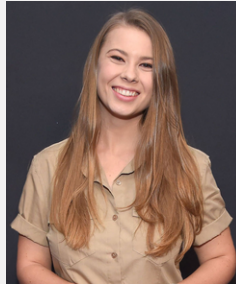
# STARBASE VERMONT



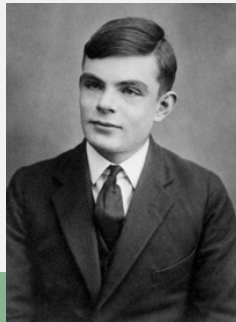
## STEMIST SPOTLIGHT

Those in STEM significantly contribute to society. As knowledge develops, we make advancements to improve our way of life.

**\*Bindi Irwin**, a Wildlife Warrior who advocates for conservation and sustainability



**\*Alan Turing**, a logician who developed the basis for the first computer



You can also find their interactive profiles at the end of this newsletter, on our Facebook page, or in our Bitmoji classroom!



## SOUTH BURLINGTON

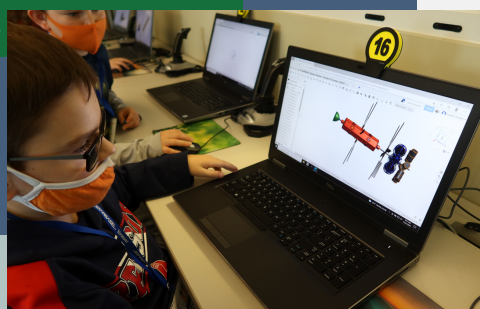
Each lesson starts off with a graphic novel that introduces the students to their mission. We work on skills such as rotating, zooming, and panning by completing a scavenger hunt. Students also learn how to assemble and repair models by building an extraterrestrial colony, a space station, and a gyrosphere. OnShape has been a great addition to our curriculum, and since it is cloud-based, students can access their work beyond their time at STARBASE.



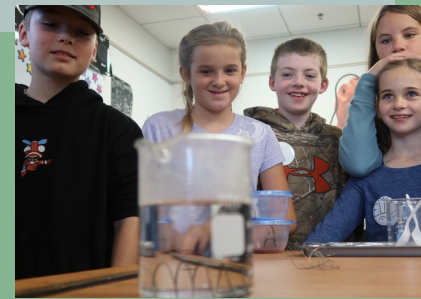
“Thank you so much for teaching me these science things. I really like the rockets! Those were really fun!”  
Tyler, Student at Hinesburg Elementary School

## RUTLAND

Meet our new instructor: Calypso! She grew up in Vermont, then attended college in New York and Ohio. Outside of teaching, she enjoys reading, watching movies, playing board games, and making music. Her call sign combines her love of music, Greek mythology, and [music in] movies.



# STARBASE VERMONT



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to those who support our students

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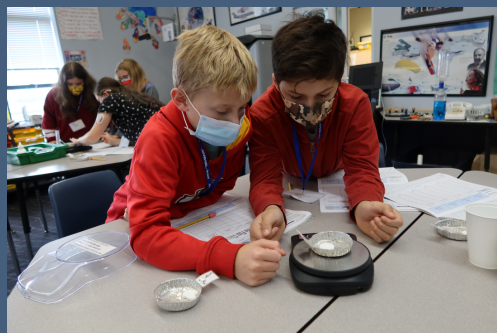
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## RUTLAND

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