

Table of Contents

#	Title	Category	Developer
1.	Assumptions vs Reality	School-to-career	Milano
2.	Career Exploration: Identifying Necessary Skills	School-to-career	Milano
3.	Creating an Action Plan	School-to-career	Milano
4.	Plan A/B/C	School-to-career	Milano
5.	HOT Guide Sorting Activity 1 & 2 Lessons	School-to-career	Milano
6.	Using a Pugh Matrix- An Engineer's Tool	Engineering	Piscitelli
7.	Gantt Charts- An Engineer's Timeline	Engineering	Piscitelli
8.	Engineering and Design Processes that Biomedical Engineers Use	Engineering	Piscitelli
9.	A Nutritionist's Concern: Vitamin D Deficiency	Biology	Piscitelli
10. & 11.	Blood Pressure (Problems and Lab)	Physics/Biology	Dufner
12. & 13.	Medical Scans (Problems and Learning Tasks)	Physics	Dufner
14.	Radiation in Medicine	Chemistry	Dufner
15.	Physics of Color Vision	Physics	Granucci
16.	Physics of Exercise	Physics	Granucci
17.	Bioethical Dilemma	Biology	LaBanca
18.	Physics of Sound and Hearing	Physics	Granucci
19.	Physics of Fluid and Pressure	Physics	Granucci
20.	Physics of the Eye and Lens	Physics	Granucci

About the designers

[Peter Dufner](#) is a physics teacher who has taught a number of different levels and classes over his career. Throughout his time teaching physics and physical science, he has made an effort to bring medicine and other careers into his lessons whenever possible believing that physics can reach many different aspects of a student's life if they want it to.

[Nicole Granucci](#) has taught and wrote curriculum for physics and astronomy in both public and private high school for over 10 years. In addition, she has worked on several astronomy research projects with high school students in collaboration with JPL/NASA astronomers. Currently she teaches physics at Quinnipiac University and is the lab manager/curriculum developer for the 100 level Physics.

[Gabrielle Milano](#) is a Professional School Counselor in the Boston Public School district. Passionate about urban education, education reform and mental health awareness, she has dedicated her career to creating equitable educational environments that honor students' identities and inspire lifelong learning.

[Catherine Piscitelli](#) is the Director of the Science Research Program at Amity High School in Woodbridge, CT. She earned her BS in biology from ECSU, her teaching certification, MS in Science Education, and 6th Year Degree in Science Education from SCSU. She has been actively teaching science in a high school setting for the past nineteen years.

[Frank LaBanca](#) is the Executive Director of the National Center for Inquiry Learning. He considers himself a teacher, researcher, and change agent. He partners with schools, districts, and educational organizations across the country to help educators develop capacity for inquiry-based teaching and learning.