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| Module | Week | С | Lesson | Description |
| Introduction | 0 | | Draw a Human Cell | What are the organelles inside a cell and what do they do? And what are organelles anyway? |
| | 1 | | DIY Heart Pump | What does the heart do? How does it do that? Make your own working model! |
| | | | Systole & Diastole | What happens when the heart squeezes and relaxes? |
| | | | Intro to the Heart | What does the heart do and why is it so important? |
| | | | Blood and Blood Components | What makes blood red? What else does blood do? |
| Circulatory System & Heart | 2 | | Heart In Situ Coloring | Where does the blood go when it leaves the heart? Where does it come back from? |
| | | | Heart In Situ Modeling | Where does the blood go when it leaves the heart? Where does it come from when it returns? How does it all fit together? |
| | 3 | | Intro to Blood Pressure | What does blood pressure mean? How is it measured? |
| | | | Heart Murmurs, Attacks, and Failure | What can go wrong with the heart and why does it happen? |
| | | | Taking Good Care of Your Heart | How do our choices affect the heart and how can we help the heart do its job? |
| | 4 | | Stethoscopes | What is a stethoscope and how is it used to listen to the heart? |
| | | | EKGs | How do EKGs work and what can they tell us? |
| | | | Heart Dissection | Does a heart actually look like the drawings in books or the models? |
| | | | Careers: Cardiology | |
| Respiratory System | 5 | | Intro to Lungs | What do the lungs do and how do they do it? |
| | | | DIY Lungs Model | How do you get air into your lungs? Why do you need a diaphragm? |
| | | | How We Make Speech | How does speech happen and what areas of the body are involved? (Hint: it's not just the vocal cords!) |
| | | | Pneumonia | What are the different kinds of pneumonia and how do doctors determine them? See for yourself on real X-rays! |
| | 6 | | Asthma | What is asthma? Why do people use inhalers? |
| | | | COPD and Smoking | What can go wrong with the lungs, and why? |
| | | | Careers: Pulmonology | |
| | | | Careers: Respiratory Therapist | |
| | | | Careers: Speech Therapist | |

| Module | Week | С | Lesson | Description |
|---------------------------|------|---|------------------------------------|--|
| Endocrine System | 7 | | Intro to Hormones | What are hormones and how are they different from nerves? |
| | | | The HPA Axis | If our brain is in charge, how does that connect with hormones? |
| | | | Candy & Blood Sugar | Why do we love candy but it makes us feel so bad? What's a better way to get our sugar fix? |
| | | | Diabetes | What is diabetes and why are there sharp things involved? |
| | 8 | | How We Grow | We all grow, but how? And where in our bodies? How do our organs know when to stop growing? |
| | | | Thyroid | Our metabolism is somewhere between a hummingbird and a slothbut how? |
| | | | Careers: Endocrinology | |
| Gastointestinal System | 9 | | GI Overview | How do all the organs of the GI system work together to nourish you? |
| | | | Inside the Mouth | What are the parts of the mouth and how do they all work together? How does taste actually work, what are the bumps on |
| | | | Teeth | Why do we have different kinds of teeth and how do dentists count them? |
| | | | Mini Activity: Dental Chart | How to dentists fill out dental charts? |
| | 10 | | Dental Care | Why do teeth fall out? And why do they stay in? What are cavities and how do braces work? |
| | | | The Stomach and What Goes Wrong | Why do we vomit? What are ulcers? |
| | | | The Small Intestine | What does a small intestine do and what would happen if it didn't? |
| | 11 | | The Liver and Hepatitis | What does the liver do and why does hepatitis matter? |
| | | | Liver Enzyme Experiment | What happens when liver detoxifies a waste product in your body? |
| | | | Liver Dissection | What does a liver look like in real life? |
| | | | The Pancreas | What jobs does the pancreas have? |
| | 12 | | The Large Intestine | Why do we need a large intestine and what can go wrong? |
| | | | Modeling the GI System | How do the organs of digestion fit together to nourish your body? Make your own model out of clay! |
| | | | Careers: Gastroenterology | |
| | | | Careers: General surgeon | |

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| Module | Week | С | Lesson | Description | |
| Immune System | 13 | | Intro to the Immune System: Innate and Acquired | How is our body like a castle? How do we keep safe from infection? | |
| | | | Intro to the Immune System: Meet the White Blood Cells | What are the different white blood cells and how do they work together to keep us safe? | |
| | | | Bugs & Drugs | What are viruses, bacteria, and fungus? How are they different from each other and how are they treated? | |
| | | | Vaccines | How do vaccines work? Are there different types? | |
| | | | Scarlet Fever & Strep Throat | How are scarlet fever and strep throat related, and why aren't they as big a deal as they used to be? | |
| | | | Allergies and Anaphylaxis | What goes wrong during an allergic reaction? Why is it important to not bringing peanuts to certain activities? | |
| | 14 | | Autoimmune Diseases | Why would the immune system attack a person's own body? What can be done to help? | |
| | '- | | Careers: Immunology | | |
| | | | Careers: Infectious Disease | | |
| | | | Careers: Rheumatology | | |
| | 15 | | Intro to Bones | What are the different kinds of bones and their jobs? | |
| | | | Intro to Joints | What the different kinds of joints and their jobs? | |
| | | | Intro to Muscles | What are muscles and how do they allow us to move? | |
| | | | Chicken Dissection | How is the inside of a chicken like the inside of a human? The answer is: in more ways than you'd think! | |
| Musculoskeletal | 16 | | Feet | Why are feet important and how do you care for them? | |
| System | | | The Skull | What does your skull do for you? More than you think! | |
| | | | Muscles of the Facial Expression | The muscles of the face are amazingsee them at work with the help of a little face paint! | |
| | | | Cleft Lip & Limb Differences | What is cleft lip and what other differences can occur while the body is forming? | |
| | | | Careers: Physical Therapy | | |
| | | | Careers: Orthopedic surgery | | |
| Integumentary System (Skin) | 17 | | Intro to Skin, Hair, and Nails | What does our skin do? Why is it considered an organ? What are hair and nails? | |
| | | | Cuts & Bruises | How do we heal? What's the difference between a cut and a bruise? | |
| | | | UV Damage | Why is it important to protect our skin? And how? | |
| | | | Careers: Pathology | | |
| | | | Careers: Dermatology | | |

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| Module | Week | С | Lesson | Description |
| Neurologic System | 18 | | The Brain | What is the brain and how is it organized? |
| | | | Spine & Spinal Cord | What is the difference between a spinal cord and a spinal column? Why do you need them? |
| | | | Grey and White Matter | Are you using your grey matter? What about your white matter? Learn how they both matter! |
| | 19 | | Sleep | We all have to sleep, but why? What are dreams for? And how can we get better sleep? |
| | | | Inner Brain Health | How do our feelings help us survive, what do we do when they're not helpful, and where are they in our brains and |
| | | | Using the Frontal Lobe | How do we make choices between what we SHOULD do and what we WANT to do, and how do we know what we should do |
| | 20 | | Amygdala | Where does the fight/flight/freeze response come from? Our brains are good at protecting us from bears but not so much |
| | | | Epilepsy | What is epilepsy? How is it diagnosed and treated? How can we be a good friend to someone with epilepsy? |
| | | | Careers: Neurology | |
| | | | Intro to the 8 Senses | How did we come up with 8 senses? What are they? |
| 8 Senses | 21 | | Draw a Human Eye | What are the parts of the human eye and how do they allow us to see? |
| | | | Touch | How does touch work? What happens when it doesn't? |
| | 22 | | Proprioception | How do you know where your fingers are? Find out about the incredible sense of proprioception! |
| | | | The Tongue and Nose | What is taste? How does a stuffy nose affect it? |
| | | | Interoception | Have you ever wondered how you know when you're hungry? Interoception is the answer! |
| | 23 | | The Ear and Hearing | How does hearing work and why does it sometimes not? |
| | | | Hearing & Vibrations | How do vibrations allow us to hear? |
| | | | Ear Infections | What are ear infections and why do we get them? |
| | 24 | | Vestibular System | What does your inner ear have to do with being dizzy? What is vertigo and why are there rocks in your head? |
| | | | Tuning Fork | Why is a tuning fork with the medical instruments and what is it anyway? |
| | | | Careers: Anesthesiology | |
| | | | Careers: ENT | |
| Genetics | 25 | | Intro to Genetics & The Human Genome | What is DNA? What are genes? How has our understanding of genetics changed in the recent decades? |
| | | | Mitosis & Meiosis | How do we have identical copies of our DNA in every cell but different DNA from our siblings? |
| | | | Protein Synthesis | How does our DNA actually DO anything in our body? |
| | | | The Genetics of Earwax | Did you know earwax is genetic? How do your genes compare with your actual earwax? |

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| Module | Week | С | Lesson | Description | |
| Genetics | 26 | | Blood Type | What is blood type and what does it have to do with our genetics? | |
| | | | Punnett Squares | How do geneticists write out the possible combinations of genes? What's the likelihood of a specific combination? | |
| | | | Pedigrees | How to draw a genetic family treeyours or someone else's! | |
| | | | Careers: Geneticist | | |
| Putting it Together (used with B+C schedules only) | 27 | | Follow a Red Blood Cell | Where do red blood cells come from and where do they go? And did you know your body has a recycling program? | |
| | | | Follow the Oxygen | Where does oxygen go in the body and why do we need it so much? | |
| | | | Mitochondria Mini Lesson | A supplement to Follow the Oxygen - how exactly does the mitochondria convert oxygen into energy? | |
| | 28 | | Follow the Iron | How does iron move through your body? Watch this lesson after Small Intestine and Blood Components | |
| | | | Hereditary Hemochromatosis (Iron Overload) | What causes iron overload and what do we do about it? | |
| | | | Careers: Nurse | | |
| Nutrition | 29 | | Intro to Nutrition | Why is it so tricky to study nutrition? | |
| | | | Water | What does water do for us? | |
| | | | Fiber | We don't even digest it so why is it so important to eat? | |
| | 30 | | Protein | Where do we get protein and what does it do? | |
| | | | Fat | Where do we get fat and what does it do? | |
| | | | Carbohydrates | Where do we get carbohydates and what do they do? | |
| | 31 | | Vitamin | What are vitamins, why do we need them, and how do we get them? | |
| | | | Minerals | What are minerals, how do we get them, and how do we eat rocks without eating rocks? | |
| | | | How to Read Food Labels | Why is choosing the food we eat so complicated? How do our brains trick us and what can we do about it? | |
| Healthy Chaires | 32 | | Safety | How do we make safe choices when we don't know what the safe choice is to make? | |
| | | | Habits | How do we form habits, and how can implementing the tiniest things change our lives for the better? | |
| Healthy Choices | | | Thinking About the Future | How do you build a happy, fulfilling life? It's easier than you think! | |
| | | | Careers: Different Paths | | |