

## One Semester [A] Schedule for Dr. Robin's School

[A] schedule is gentle/once a week. [B] schedule is focused/twice a week. [C] schedule is rigorous/3-4 times a week. If your student is serious about a STEM career, you should consider a full year program for them. A checkbox indicates that a lesson is part of the schedule. No checkbox indicates that the lesson exists but is **not** part of the schedule. Because the 1 semester curriculum is designed to coordinate with Coloring Book Club, it doesn't follow the same order as the 1 year curriculum.

Module	Week #	A	Lesson	Description
Human Cells	1	<input type="checkbox"/>	Draw a Human Cell	What are the organelles inside a cell and what do they do? And what are organelles anyway?
Heart and Circulatory System	2	<input type="checkbox"/>	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?
			Blood and Blood Components	What makes blood red? What else does blood do?
			Heart Murmurs, Attacks, and Failure	What can go wrong with the heart and why does it happen?
	3		Heart In Situ Modeling	Where does the blood go when it leaves the heart? Where does it come from when it returns?
			Intro to Blood Pressure	What does blood pressure mean? How is it measured?
		<input type="checkbox"/>	Taking Good Care of Your Heart	How do our choices affect the heart and how can we help the heart do its job?
Lungs	4		Intro to Lungs	What do the lungs do and how do they do it?
		<input type="checkbox"/>	DIY Lungs Model	How do you get air into your lungs? Why do you need a diaphragm?
			Asthma	What is asthma? Why do people use inhalers?
			COPD and Smoking	What can go wrong with the lungs, and why?
Digestive System	5	<input type="checkbox"/>	GI Overview	How do all the organs of the GI system work together to nourish you?
			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?
			The Large Intestine	Why do we need a large intestine and what can go wrong?
	6		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?
			The Pancreas	What jobs does the pancreas have?
		<input type="checkbox"/>	Modeling the GI System	How do the organs of digestion fit together to nourish your body? Make your own model out of clay!

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Module	Week #	A	Lesson	Description
Kidneys and Bladder	7	<input type="checkbox"/>	Kidneys and Bladder	
There is only one lesson in this module so this is a good week to catch up on anything you haven't done in past weeks.				
Bones and Muscles	8	<input type="checkbox"/>	Intro to Bones	What are the different kinds of bones and how do their shapes work with their jobs?
			Intro to Joints	What the different kinds of joints and how do their movements allow them to do 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!
	9		The Skull	What does your skull do for you? More you than might think!
		<input type="checkbox"/>	Muscles of the Facial Expression	The muscles of the face are amazing...see 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?
8 Senses	10	<input type="checkbox"/>	Intro to the 8 Senses	How did we come up with 8 senses? What are they?
			Draw a Human Eye	What are the parts of the human eye and how do they allow us to see?
			Proprioception	How do you know where your fingers are? Find out about the incredible sense of proprioception!
			Interoception	Have you ever wondered how you know when you're hungry? Interoception is the answer!
	11	<input type="checkbox"/>	The Ear and Hearing	How does hearing work and why does it sometimes not?
			Hearing & Vibrations	How do vibrations allow us to hear?
			Vestibular System	What does your inner ear have to do with being dizzy? What is vertigo and why are there rocks in your head?
			The Tongue and Nose	What is taste? How does a stuffy nose affect it?

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Skin	12		Intro to Skin, Hair, and Nails	What does our skin do? Why is it considered an organ? What are hair and nails?
		<input type="checkbox"/>	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 do we do it?
Mouth/Head	13	<input type="checkbox"/>	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 our tongues, and what is a uvula for?
			Teeth	Why do we have different kinds of teeth and how do dentists count them?
			Mini Activity: Dental Chart	How do dentists fill out dental charts?
			Dental Care	Why do teeth fall out? And why do they stay in? What are cavities and how do braces work?
			How We Make Speech	How does speech happen and what areas of the body are involved? (Hint: it's not just the vocal cords!)
Neurology/Brain/Nerves	14	<input type="checkbox"/>	The Brain	What is the brain and how is it organized?
			Grey and White Matter	Are you using your grey matter? What about your white matter? Learn how they both matter!
			Sleep	We all have to sleep, but why? What are dreams for and how do scientists know? And how can we get better sleep?
			Touch	How does touch work? What happens when it doesn't?
	15		Spine & Spinal Cord	What is the difference between a spinal cord and a spinal column? Why do you need them?
		<input type="checkbox"/>	Inner Brain Health	How do our feelings help us survive, what do we do when they're not that helpful, and where actually are they in our brains and bodies?
			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 anyway?
			Amygdala	Where does the fight/flight/freeze response come from? Our brains are good at protecting us from bears but not so much from public speaking. Find out why!
...		Units not included: Endocrine, Immune System, Genetics, Putting it Together, Nutrition, Healthy Choices. If you want to enjoy these units, you have access to the year long version also and can fit them in during the weeks with fewer lessons.		