I'm not a bot

Experience Chemistry is a multi-award-winning high school chemistry curriculum program that makes chemistry meaningful, hands-on, and easier to teach. Now with even more student practice, teacher support, and built-in three-dimensional learning, it provides high-quality instructional materials for science that helps every student succeed. Phenomena-based and problem-drivenHands-on Flinn labs and engineering projectsNGSS-designed and 3D learning-alignedMore practice for math and chemistry skillsDifferentiation support for all learners Request More Information View the Brochure Students investigate real-world phenomena and engineering problems that spark curiosity and drive learning in every storyline, or unit. Experience Chemistry starts with phenomena or engineering problems that students recognize and care about. It gives purpose to their learning and connects directly to the 3-Dimensional framework of the Next Generation Science Standards (NGSS). Our exclusive partnership with Flinn Scientific means students get access to engaging hands-on labs and engineering design challenges that support active, differentiated learning. Clear instructional guidance supports every teacher. Students dont just study chemistrythey do chemistry. Each storyline features more practice and application through data analysis, calculations, performance tasks, and lab-based evidence gathering, so learners build skills through real science. Students build essential skills as they learn to model, explain, and argue from evidencedeveloping critical thinking, problem-solving, and communication abilities that prepare them for STEM careers, skilled trades, and real-world challenges beyond the classroom. Now with expanded practice for students, built-in teacher tools, and hands-on learning that makes science work for you. Access ready-to-use chemistry resources that save you time, support EVERY learner, and make hands-on science easy to teach. Get time back with ready-to-use print and digital resources that make planning easier, lessons smoother, and differentiation doable. From editable planners to built-in teaching strategies, everythings designed to save you time and support how you teach every day. You dont have to plan it all from scratch. This program includes built-in support like Tools for Teaching Success, Phenomenon Connections, and NGSS Progression right where you need them. Plus, home-to-school letters and scaffolds help you reach every student and keep families in the loop. Built to meet students where they are, the program includes embedded accommodations, multilingual learner strategies informed by ELSF, and point-of-need, evidence-based supports throughout the Teachers Guide. Whether students need more scaffolding or a greater challenge, youll have what you need to empower every learner. Experience Chemistry gives students multiple ways to ask questions, explain ideas, and show what they knowthrough modeling, hands-on labs, writing, data analysis, and peer-to-peer discussion. Built from the ground up for the NGSS, the program helps teachers guide student-driven learning without the guesswork. Its clear structure, ready-to-use tools, and real-world phenomena and engineering problems make teaching engaging and stress-free, allowing you to focus on helping students make sense of chemistry. Chemistry teachers asked for more foundational practiceand now its here. Experience Chemistry includes 3x more online practice for every Sample Problem, giving students extra support with math, modeling, and problem-solving. This extra support is built-in and ready to assign for reinforcement, review, or extensionno extra prep required. If youve ever had to search for extra practice or build it yourself, this program already has what you need. Experience Chemistry helps all students see where science can take themwhether its college, a STEM career, or a skills-based path. With Hook & Inspire Careers, STEM biographies, real-world applications, and OpenEd resources, students actively connect classroom learning to their future goals. Plus, Pathmaker and Outlier offer options for advanced students to explore career-aligned learning or earn college credits. Give your students hands-on, standards-aligned experiences designed to build critical thinking and essential science skills. Explore ready-to-use Flinn labs, engineering projects, demo and safety videos, performance-based assessments, and moreeach aligned to the SEPs, CCCs, and DCIs. Everythings designed to help students build understanding and apply their knowledge through meaningful, three-dimensional learning. Experience hands-on labs for every class! Powered by our exclusive partnership with Flinn Scientific, Experience Chemistry includes materials kits that support all 71 Experience Labs and 17 Engineering Design Challenges. Each lab comes in four versions (Open-Ended, Guided, Short, and Advanced), giving you flexible options for every student and every schedule. With built-in teacher support and real materials in hand, experiential learning becomes easier to teach and more impactful for students. Our most popular lab kit offers a ready-to-use selection of 30 hands-on labs and activities across key Investigationsperfect for giving all students an engaging lab experience. Prepared by Flinn Scientific, the Essentials Kit is designed for simplicity: just open, set up, and go. Its cost-effective, time-saving, and easy to manage with consumable refill kits available each year. With a multi-year program subscription and kit purchase, youll get automatic refills shipped annually. Designed to support all 18 Performance-Based Assessments, this kit gives you the hands-on materials you need to run each task smoothly. Its a simple way to bring real-world applications into your assessments, giving students meaningful ways to demonstrate their learning. Prepared by Flinn Scientific, this kit is designed for simplicity: just open, set up, and go. Its cost-effective, time-saving, and easy to manage with consumable refill kits available each year. Plus, with a multi-year program subscription and kit purchase, youll get automatic refills shipped annually. Savvas Realize brings our award-winning content to life in an exciting digital experience that students love. For teachers and admins, it includes valuable classroom-management tools like auto-rostering, single-sign-on, and available integrations with many top K-12 LMSs. A next-generation learning solution that provides an all-inclusive, one-year digital license to our most popular Math, Literacy, Science, and Social Studies national K12 programs. Experience Chemistry is a next-generation, phenomena- and problem-driven chemistry curriculum built around how students learn bestby doing science. Students explore real-world scenarios through hands-on labs, virtual simulations, data analysis, and evidence-based writing. The 2026 edition includes more practice, more support for teachers, and built-in differentiation toolsall aligned to NGSS and HQIM criteria.Take an interactive tour of Experience Chemistry. Experience Chemistry is a next generation high school chemistry program that puts the focus on the student experience. This modern program implements a learning model that organizes learning around phenomena giving students an authentic, real-world experience.Experience Chemistry includes a variety of hands-on and digital activities designed to reach every learner. Students complete hands-on inquiry labs, virtual labs, simulations, data analysis, claim-evidence reasoning exercises and more on their sensemaking journey. An assessment package with formative, summative, performance-based assessments provide opportunity for students to demonstrate their understanding three dimensionally. Instructors have access to a robust support package with print and digital resources designed to streamline classroom management.Take an interactive tour of Experience Chemistry. The program components includes:Experience Chemistry digital courseware on Savvas Realize includes robust digital tools that give teachers flexibility to use a digital, print, or blended format in their classrooms. Teachers can customize the program to rearrange content, upload their own content, add links to online media, and edit resources and assessments. Program-specific resources, flexible agnostic resources, and assessments are available in one location for easy lesson planning and presentation.Teacher Guide - Available in digital and print, the Teacher Guide provides robust lesson planners based on the 5E learning model, explicit directions and explanations for introducing phenomena, instructional strategies support students as they make sense of the phenomena, and classroom modifications to adjust instruction based on the diverse student needs, skills, and interests in their classroom.Student Edition or Handbook (hardcover) -. With Experience Chemistry, students DO chemistry first, by interacting with phenomena and engineering problems and completing hands-on and virtual inquiry activities. Then students complete readings, formative assessments, and math practice from their handbook.Flinn Scientific Lab Kits - Flinn Scientific is our partner for the Experience Chemistry curriculum. Optional lab kits are available for each program. Every Flinn Scientific kit supports a classroom of up to 40 students. Refill kits are also available. Making sense of phenomena drives student learning throughout Experience Chemistry. This program engages students directly in different examples of phenomena that relate to authentic real-world scenarios.Every Storyline (the unit of instruction) begins with an Anchoring Phenomenon or Engineering Problem a real-world science event that sparks curiosity as students make observations and ask questions. The anchoring phenomenon gives students purpose as they engage in activities to make sense of this phenomenon and connect the chemistry concepts through a unique, unifying occurrence. Throughout the Storyline, students repeatedly revisit the anchoring phenomenon question and discuss the real-world impact of the problem as they propose solutions thus building understanding over time. By the end of the storyline, students are able to explain the anchoring phenomenon. Additionally, in each Storyline there are two opportunities for students to be involved in designing solutions to problems. At the Storyline level there is a Problem-based Learning Experience that spans several Investigations.A real-world Investigative Phenomenon video launches every Investigation (chapter level organization). The Investigative Phenomenon or Engineering Problem opens different lines of inquiry related to the Anchoring Phenomenon. Students again ask questions, make observations, and track their developing understanding of the phenomenon in Claim-Evidence-Reasoning (CER) or Modeling exercises. At the end of each Experience students revisit their CER worksheet in a sense-making exercise to review, revise or add to their explanation of how the phenomenon occurs thus building understanding over time. At the end of the Investigation, students once again revisit and make sense of the phenomena by drawing connections.The lessons, called Experiences, are where students connect science to everyday life through Flinn Scientific Inquiry Labs, virtual simulations, digital interactivities, videos, animations, Engineering Design Challenges, teacher demonstrations, modeling activities, performance-based assessments, data analysis activities, Hook & Inspire OER and Career activities and more. This wide variety of real-world experiences builds student understanding using DCIs, CCCs, and SEPs by interacting with phenomena over time.Learn More about How to Differentiate for Success in the Science Classroom. Yes. Experience Chemistry is grounded in the BSCS 5E Model and research from Instructional Leadership for Science Practices (ILSP). The program seamlessly integrates the Science and Engineering Practices (SEPs), supports the three dimensions of NGSS, and provides students with authentic opportunities to investigate, explain, and evaluate real-world phenomena and engineering problems.. Math is deeply embedded in the programnot added on. Students apply key math skills in stoichiometry, gas laws, pH calculations, graphing data, and interpreting chemical reactions. These tasks are integrated into labs, notebook prompts, and performance assessments, helping students strengthen both their math and science reasoning. Differentiation is built into every unit. The program includes evidence-based supports for multilingual learners, leveled lab options, visual vocabulary tools, and customizable digital content via Savvas Realize. Teachers also get guidance for adjusting instruction based on student readiness and language proficiency.Learn more 5 Activities to Promote Student Agency in the Classroom. Experience Chemistry digital courseware on the award-winning platform, Savvas Realize, and includes robust digital tools that give teachers flexibility to use a digital, print, or blended format in their classrooms. Our platform integrates seamlessly with your LMS, including Google Classroom, Schoology, Canvas, and so many more. Teachers can customize the program to rearrange content, upload their own content, add links to online media, and edit resources and assessments.Program-specific resources, flexible agnostic resources, and assessments are available in one location for easy lesson planning and presentation. Click here to sign up for a demo of Experience Chemistry. Flinn Scientific is our partner for the Experience Chemistry curriculum. Optional lab kits are available for each program. Every Flinn Scientific kit supports a classroom of up to 30 students. Refill kits are also available. Our authors are science education leaders committed to equity, access, and meaningful instruction. Theyve built a curriculum that reflects authentic scientific practices and ensures that all students have the opportunity to succeed. Watch our short video to hear directly from them.Meet the Co-Author of Experience Chemistry. Storyline 1: Atoms, Elements, and MoleculesInvestigation 1: Atomic StructureExperience 1.1 The Particle Nature of MatterExperience 1.2 Modeling AtomsExperience 1.3 Atomic Emission Spectra and the Bohr ModelExperience 1.4 Modern Atomic TheoryExperience 1.5 Electrons in AtomsInvestigation 2: The Periodic TableExperience 2.1 The Periodic Table: An OverviewExperience 2.2 The Periodic Table and Atomic StructureExperience 2.3 Periodic TrendsInvestigation 3: Chemical BondingExperience 3.1 Ionic BondsExperience 3.2 Metallic BondsExperience 3.3 Covalent BondsExperience 3.4 Intermolecular AttractionsExperience 3.5 Names and Formulas of CompoundsInvestigation 4: Physical Properties of MaterialsExperience 4.1 States of MatterExperience 4.2 Modeling Phase ChangesExperience 4.3 Comparing Ionic and Molecular CompoundsExperience 4.4 Comparing Metals and NonmetalsExperience 4.5 Water and Aqueous SystemsExperience 4.6 Properties of SolutionsStoryline 2: Understanding Chemical ReactionsInvestigation 5: Chemical QuantitiesExperience 5.1 The Mole ConceptExperience 5.2 Molar RelationshipsExperience 5.3 Percent Composition and Empirical FormulaExperience 5.4 Concentrations of SolutionsInvestigation 6: Chemical ReactionsExperience 6.1 Modeling Chemical ReactionsExperience 6.2 Predicting Outcomes of ReactionsExperience 6.3 Reactions in Aqueous SolutionInvestigation 7: StoichiometryExperience 7.1 Quantifying Reactants and ProductsExperience 7.2 Chemical CalculationsExperience 7.3 Limiting Reagent and Percent YieldInvestigation 8: ThermochemistryExperience 8.1 Energy in Chemical BondsExperience 8.2 Heats of Formation and ReactionExperience 8.3 Heat in Changes of StateStoryline 3: The Chemistry of Climate Change(This storyline should be included as needed to meet your local curriculum requirements and may require excluding other materials.)Investigation 9: The Behavior of GasesExperience 9.1 Properties of GasesExperience 9.2 The Gas LawsExperience 9.3 Ideal GasesExperience 9.4 Gases in Earth's AtmosphereInvestigation 10: Weather and ClimateExperience 10.1 Earth's Surface SystemsExperience 10.2 Water and Energy in the AtmosphereExperience 10.3 Atmospheric System FeedbacksExperience 10.4 Long-Term Climate FactorsExperience 10.5 Short-Term Climate FactorsInvestigation 11: Global Climate ChangeExperience 11.1 The Chemistry of Earth's AtmosphereExperience 11.2 Evidence of Climate ChangeExperience 11.3 Anthropogenic Carbon EmissionsExperience 11.4 Climate ModelsExperience 11.5 Consequences of Climate ChangeExperience 11.6 Response to Climate ChangeStoryline 4: The Dynamics of Chemical Reactions and Ocean AcidificationInvestigation 12: Reaction Rates and EquilibriumExperience 12.1 Rates of ReactionExperience 12.2 The Progress of Chemical ReactionsExperience 12.3 Reversible Reactions and EquilibriumExperience 12.4 Free Energy and EntropyInvestigation 13: Acids-Base EquilibriaExperience 13.1 Acids, Bases, and SaltsExperience 13.2 Strong and Weak Acids and BasesExperience 13.3 Reactions of Acids and BasesExperience 13.4 Buffered SolutionsInvestigation 14: Ocean AcidificationExperience 14.1 Ocean pH LevelsExperience 14.2 Earth's Ocean as a Carbon SinkExperience 14.3 Oceans and Climate ChangeExperience 14.4 Consequences of Ocean AcidificationStoryline 5: Industrial ApplicationsInvestigation 15: Oxidation-Reduction ReactionsExperience 15.1 Oxidation vs. ReductionExperience 15.2 Modeling and Predicting Outcomes of Redox ReactionsExperience 15.3 Electrochemical CellsInvestigation 16: Organic ChemistryExperience 16.1 HydrocarbonsExperience 16.2 Functional GroupsExperience 16.3 PolymersInvestigation 17: Nuclear ProcessesExperience 17.1 Radioactivity and Half-LifeExperience 17.2 Fission and FusionExperience 17.3 Nuclear TechnologiesInvestigation 18: Green ChemistryExperience 18.1 Industrial ChemicalsExperience 18.2 Principles of Green ChemistryExperience 18.3 Designing Sustainable Processes Put your students on a pathway to college and careers in STEM Outlier by Savvas Dual EnrollmentGive your students a head start with college courses from a top 50 university and a diverse catalog of STEM courses, including Computer Science, Astronomy, and more. Savvas CTE Provide your students career exploration, job-ready skills and industry credentials with CTE courses in STEM, IT, health science, agriscience, and more. Explore College & Career Readiness Catalog Lab kits from Flinn Scientific, the nation's #1 lab solution provider. Transform Learning Outcomes The Savvas experts will guide you through our blended solutions, digital textbooks and printed materials. We'll also assist you throughout the entirety of the process. Contact Our Team At the end of the 2021-2022 school year I quit my teaching job. There were a number of reasons why I quit. I dont really want to get into it too much here. It boils down to me loving teaching and chemistry, but not loving all the other stuff that comes with being a teacher. But since I love chemistry so much, and truly feel like teaching is my calling, Ive decided to do what I can to keep doing what I love.So in an effort to help both classroom teachers and home school parents and teachers, Im doing a few things. For years, I have been building, teaching, editing and refining my chemistry curriculum. Curriculum planning is one of my favorite things to do. (Its kind of like a puzzle!) Ive taught chemistry in a lot of different ways, and thanks to the 700+ students Ive taught, I feel like this is truly a perfectly tailored high school chemistry curriculum. I had it down in year 3 of teaching, but wanted to give it some time to simmer and make sure it was perfect. And I finally feel like it is. So now Im giving away the outline for free.The outline describes what units should be taught in what order. Ive found that a lot of chemistry textbooks outline chemistry in a logical way, but its also not the easiest way for kids to learn it. The big example of that comes from my first year teaching. I went along with the textbook. I taught Measurement and then Matter. In the matter unit, kids need to learn separation of mixtures. And I feel like in high school, you cant truly understand separation of mixtures before learning Intermolecular Forces. How can you explain chromatography, before learning molecule polarity? In my opinion, you cant. My first year, I made up the term molecular magnetism to attempt to teach it. It was a disaster when I had to go back and undo the teaching I did early on.So the document outlines the best unit order and the big ideas for each unit. BUT, it also has a link to a LIVE Google Doc. And thats where things get REALLY good. This outlines my day-by-day lessons and plans. Seriously, every lesson that I teach is itemized in this document. I update the document regularly to add links to blog posts about how I teach these concepts, and links to teaching resources that are both free and paid.Im super proud of this document and so happy to share it with you. You can get it here. For years, Ive been using what I call Baby Notes in my classroom. They are bite sized guided notes (so not a lot of writing, but a lot of listening). My students have traditionally glued these notes down in composition books we call their Baby Notebook. Ive taken these notes and again, edited them to the point that I could share them with others. These chemistry guided notes are available in my TPT store by lesson or unit, or of course, the whole curriculum together.The notes were born out of my school giving me a hard copy limit. But the course was moving so fast (and the kids had an obscene number of field trips). I had to come up with some solution. And half page notes was what I came up with. So I spent the last summer converting these notes into things that could be used by teachers everywhere. The end result was styles of slides, in either Powerpoint or Google Slides. Plus two styles of the notes: both half page for INBs and full pages for teachers that prefer binders. Im obsessed with these notesSince its been posted, Ive had teachers write to me with praise for the curriculum, and it really makes me happy cry. I went through SO much nonsense in my first few years of teaching (during the 1.0 development of the notes) and its heartwarming that I can get some chemistry teachers to skip that phase entirely. And I have some BIG plans for this curriculum. Im getting some help for a significant upgrade to the notes. Like, it will likely double the value of the notes for most classroom teachers I dont want to spoil it, because it does depend on another person for it getting out at my deadline. But please trust me when I say, this is a big deal. And this is truly my passion project. Ive taken the baby notes and their corresponding presentations and Im teaching them on Youtube. I got the Youtube channel originally started back during the pandemic and Im bringing it back to life.The idea here is I get to teach more people! In fact, I can teach an unlimited number of students. This gives me all the joy in the world! Plus I get to do it with no interruptions. No morning announcements, fire drills or bathroom requests. Its the best of me!Teachers can use this to supplement their in class teaching. If the teacher is absent, or students or absent this is a great way to fill in gaps. I used to collect Youtube videos in Google Classroom for my students to use for studying. And with that, students can use the channel and the videos to study on their own. Its all high school level stuff, so theres no risk of accidentally learning college level stuff. Well, really theres no issue with learning college level stuff, but sometimes that can be too much for a first time chem student. Chemistry can get overwhelming very quickly. And lastly, the entire thing is a course in and of itself. Any home school parent or home school teacher can use this free chemistry curriculum. Study chemistry while Uncovering the processes, technology, history, and delicious bites of everyday food! Applied Chemistry is a full course designed for high school studentsfeaturing a book guide, 16 unit studies, and 2 project guides. Get Applied Chemistry Instantly Includes over 110 curated instructional videos with a 154 page course notebook that includes a question book guide, 2 project guides, and over 40 suggested recipes for hands-on learning!What Chemistry Topics are covered in this course? DenaturingTypes of chemical bondsEmulsionsColloidsProperties of Oils & FatsSolutionsCrystallizationProtein ChemistryMaillard ReactionsAcids & BasesOxidationPolarityStabilizers.... and more(Most of the chemistry topics are explained in the detail in the core text Culinary Reactions. If you choose not to read the book, many chemistry topics may not be adequately reviewed in the unit videos and reading for a standard credit) Scope of "Applied Chemistry" Course ContentView a Printable Sample Weekly Assignment SequenceBook Guide: Culinary Reactions by Simon Q. FieldUnit: Taste & FlavorUnit: EggsUnit: PotatoesUnit: Pumpkins & SquashesUnit: CarrotsUnit: ChocolateUnit: CoffeeUnit: Preservation TechniquesUnit: DairyUnit: Wheat & BreadUnit: SugarUnit: Tropical FruitsUnit: Chili PeppersUnit: ApplesUnit: CitrusUnit: BeefProject Guide: Sugar in My FoodProject Guide: Protein Structures - Gummy Bears Includes over 110 curated instructional videos with a 154 page course notebook that includes a question book guide, 2 project guides, and over 40 suggested recipes for hands-on learning! What does the course look like? The Applied Chemistry course is hosted via a secure course portal on Payhip When you click Buy Now, you will create an account for the course, process your one-time payment, and then have access to all the embedded videos, links, PDF downloads, and other curated content. You can view the course on most internet connected devices or print out the materials as you desire.All course materials are ready to use and easily organized. You dont have to do any searching or googling for materials! Who was this course designed for? The course was designed to fulfill a "chemistry" course requirement, but we wanted it be relevant (everyone needs to eat!) and valuable for students beyond just the academics.If your student.....loves watching videos for "schoolwork"is not mathematically ready for traditional chemistryisn't going into a science-centered careerwants to learn something useful and relevantlikes to learn from a variety of materials (videos, articles, images, books)likes to cook in the kitchen (or wants to learn)loves sketching and drawing as way of learningthen this FoodStuff Science course is absolutely for them.If you don't want to label this course as "Chemistry" for their transcript, we would recommend "Applied Chemistry" as a course label because it is the application of chemical knowledge to another field of study (culinary).(As noted above, this is not your traditional chemistry course. Students who might be college-bound into a science-related field might benefit from a more technical course or supplementing with another resource -such as "Homework Helpers: Chemistry" by Greg Curran- which introduces students to the technical and mathematical concepts of chemistry). Includes over 110 curated instructional videos with a 154 page course notebook that includes a question book guide, 2 project guides, and over 40 suggested recipes for hands-on learning! Core Reading Text: (purchase separately)"Culinary Reactions" by Simon Q. FieldAvailable here on Amazon.If you prefer, borrow from your library or buy a "used" copy of the book - 2nd hand books are just fine!Applied Chemistry Notebook (Included): Food Units : Printable pages for all food units that include questions and prompts for students to record what they learn from the unit videos & articles.Lab Notes: Each unit has recommended labs (or recipes). You can select to do as many labs as you want (or have your student just cook some of your regular meals). Supplies will vary based on your chosen recipes and frequency your student cooks. (As always, it is recommended to have adult supervision as necessary and for students to record their results and experience in their notebooks).Book Guide: Printable Questions (and Answers) for each chapter of the core reading textProjects Guides: Included are 2 project guides to help your student connect what they are learning with more knowledge or evaluation of how food & chemistry affect their life. Projects can be as simple or complicated as you want your student to complete. Digital PDF use options: Print at home & organize in a 3 ring binder // Create a personal Google Slides file & use text boxes to fill in the questions // Use the exclusive print-on-demand link to order your own coil-bound hard copy for an additional $20 + shipping from Lulupress Hands-on Experience Labs:(purchase supplies separately)Each food unit has activities and labs (aka cooking recipes) for your student to get hands-on practice Coordinate with your student on their choices for what recipes they want to try - something new or familiar, simple or complex!You can work with your student to adapt their recipe goals as needed for allergens, dietary needs, and personal preferences.As always, ensure your student has adult supervision & the skills to safely operate tools & machines used in the kitchen.And remember - mistakes are bound to happen! Encouragement & a light heartedness go a long way in building the confidence in making food. If your student finishes this course, please congratulate them! They have learned more about food (and the underlying chemical reactions) than most "successful" adults.Because there are no tests or quizzes, there are a few ways you could "give a grade" to your student:Did they complete all the assigned readings, videos, and questions?Did they have a good attitude about completing their assignments?Did they accurately answer questions from the two "semester reading" books?Did they complete and present their "Project" in a clear, professional manner?The weight of these benchmarks is completely up to you as your child's primary educator. Attitude may be more important than accuracy. Standards for Choosing Materials While designing the course, each video, article, and book has been selected from the thousands resources available online and in print with these guidelines in mind:Resources absolutely do not have inappropriate language or adult references.Resources have been curated at best to not have bias toward any particular diet or controversial food system issue. Individual videos may at times have comments or bias, but the course as a whole does not support any particular diet. Families are encouraged to research more about questions about personal food choices & nutrition.Resources may occasionally include reference to evolution or young earth theories, but in general, resources present general facts (anything with a particular reference to evolution or young earth scientific theories will hopefully be noted with the video or reading).Resources may selectively include topics relating to alcohol (it is a food/drink), but it is not a focus of any FoodStuff Science unit or guide (another topic to be evaluated by your family)Resources are chosen for substantive quality over quantityIf you have a question about our guidelines or come across something you think shouldn't belong in our course, PLEASE CONTACT US! It is our hope to always offer safe, top-notch quality materials for your studentAs content is curated from a variety of sources & creators, we can offer no guarantees of a resources long term availability. In the case that a video/resource is removed, we will attempt to find a similar substitute. The purchase of this course is for a single student or family for personal use only.If you are in need of a co-op, multi-family, or school license, please see our offer here.Access to the course is not timed upon purchase and accessible as long as our course software is live. (You are able to download the PDF to save in your personal curriculum records indefinitely). If our hosting software is going to change, we will attempt to contact you with such changes.The organization & curation of content & notebooking materials are copyrighted by Connect Learning Studio, but access to other resources listed in the course (like suggested books and videos) is not guaranteed and the respective parties maintain their respective copyright.As this is an instant download digital resource, we are not able to issue refunds for your purchase.For technical issues or quality concerns, please contact us:Hello@connectlearningstudio.com ChemMatters, ACS's award-winning high school chemistry magazine, helps high school students make connections between chemistry and the world around them. Explorefree online articles, along with downloadable puzzles and Teachers Guides that contain reading comprehension questions and additional resources. Full digital issues are available by subscription or through AACT membership. Today, Im sharing ten popular high school chemistry homeschool curriculum. Sorting through popular chemistry homeschool curriculum can be daunting. Check out my how tohomeschool high schoolpage for awesome tips. However, a practical high school chemistry homeschool curriculum should be easy to understand. Both a non-science oriented teen and strong science oriented teen can find a curriculum to match their interests. Also, Ive included choices for homeschool chemistry curriculum whether your teen is on a college track or career track. The beginning of teaching chemistry can seem scary; Im not sure how a fear of teaching chemistry began. I know, I felt that way at first too. However, as a non-science mom and after three homeschooled grads, my love and education for chemistry has grown. With the right choices of curriculum and ideas, you and your teen can really enjoy the study of chemistry. Besides, we practice or use chemistry every day. From the food we eat to watching lightning produce fire, chemistry can be a fun subject to learn. Once I moved past thinking it was only for science majors, my teens and I could dive into learning even beyond the basics. The point is chemistry can be fun and should always be hands-on. And one of my favorite parts is that any science study can be tied to learning the history of it. Chemistry is no different. And as you sort through each one, here are a few points to be aware of: A lot of the major providers suggest prerequisites like having completed Algebra 1 and/or Geometry before chemistry; And some providers integrate physics and chemistry because they feel all science subjects are intertwined and best taught together; Still other providers which integrate physics and chemistry dont require complex math to encourage student curiosity; Too, some courses are a honor course and still others are basic chemistry; and Lastly, pay attention to the credits assigned, if any, and the worldview. Some are secular and some Christian. Next, look at these ten popular high school chemistry homeschool curriculum. 1. BOB JONES CHEMISTRY BJU Press offers Chemistry in the 11th grade. They recommend that students should be taking Algebra 2 and Chemistry at the same time. According to their site, students in Chemistry have already completed Algebra 1 and Geometry. This set is an example of an all-in-one. The complete set has a student edition, teachers manual, lab manual, assessments, and answer key. And like their other courses at this level, it is a solid college prep course and strong Christian worldview. 2. DISCOVERING DESIGN WITH CHEMISTRY for non-science student 3. DISCOVERING DESIGN WITH CHEMISTRY, SUPPLEMENT 2 for science student Then, Discovering Design With Chemistry series were designed for use in 10th grade and require Algebra 1 math level. Too, they have a strong Christian worldview. Designed as an all-in-one, they also offer video on demand classes. 4. FOCUS ON HIGH SCHOOL CHEMISTRY Another awesome option is Focus On High School Chemistry. When Real Science 4 Kids came on the homeschooling scene homeschoolers swooned. Theyre still swooning at the ease and options offered. Focus On High School Chemistry is offered for grades 9 to 12. It introduces students to high school basic chemistry and some concepts found in college-level chemistry. This curriculum goes into more depth than a lot of chemistry high school programs, but does not cover all topics. Youll love how the experiments are broken down and easy to implement. This original series is a one-semester course and can count as half of a high school credit. One more note of detail is that this course has a secular slant. If your student is wanting a basic overview of chemistry, is undecided about chemistry as a science major, or wants just an overview, this curriculum keeps all options open. 5.FRIENDLY CHEMISTRY Further, there is a reason this next chemistry option is called Friendly Chemistry. This high school chemistry curriculum uses friendly language and introduces chemistry in a fun way. Ive not looked at the current editions, but some of the first editions had several typos. To some this can diminish the weight of the content. Although I dont like typos, I know it happens. I have a higher standard for curriculum providers. But I do not think it is a reflection of the content and the way the chemistry is taught. Many homeschoolers love using it because their teens can use it independently. The same lessons are taught in like a traditional high school course. Unlike some other courses, motivated junior high-aged children complete the lessons in Friendly Chemistry. Because this is a high school level course, you can count it as a credit because its intended to be completed in a year. 6. CHEMEXPLAINED Next, if your teen prefers to learn online and take a college-prep course, then ChemExplained may be a good option. Taught by a chemistry teacher, the videos are short and explanations are well. Too, youll want to encourage your teen to take notes while learning. Additionally, its hard to find faith-neutral curriculum. A faith-neutral curriculum strives to leave religious or secular slants out of their curriculum. If you want to teach your own worldview, this is an option. 7. INTEGRATED PHYSICS AND CHEMISTRY Not to be overlooked is Integrated Physics and Chemistry by Paradigm Accelerated Curriculum. Ive used several of their worktexts and my teens have loved the different courses. Unlike other programs, the pacs are separate worktexts. Encouraging the teen to learn independently with minimal supervision is the focus on their courses. The course hastwelve chapters of text and twelve companion student activities. Whether your student chooses 9th or 10th grade to study Integrated Physics and Chemistry by Paradigm Accelerated Curriculum, it introduces students to the people, places and principles of physics and chemistry. Also, it is a secular curriculum, but I found it easy to add faith-based ideas. 8. CONCEPTUAL CHEMISTRY Then another solid choice is Conceptual Chemistry. As the title of the textbook states there is emphasis on concepts, but with a fun conversational quality. Non-science majors will love the practical part of the explanations in easy to learn language. Introducing easy hands-on activities is another strength of this curriculum. With structure to encourage an independent learner, there is enough content to also foster critical thinking skills. If your will teen will be a non-chemistry major or has a solid, but basic understanding of math, this is a great option. It can be used for any grade in high school. 9. Chemistry in the Kitchen In addition, Chemistry in the Kitchen by Guest Hollow is a fun slant on chemistry. Cooking their way through learning chemistry, teens in 9t to 12th grade dont have to have higher levels of math. Just a love of science and to learn in a different way are all that are required. 10. Homeschool Buyers Selection. Finally, another popular option is the assortment which Homeschool Buyers Co-op offers each year. Its popular because who doesnt like to save money when you can. Each year, Homeschool Buyers Co-op will list chemistry options and supplements. Be sure to check what is discounted there too. Be sure to look at my fun ideas for all ages to add to supplement your curriculum. Look at my fun ideas for all ages to supplement your curriculum. What do think? Are you feeling a little less intimidated about choosing a homeschool high school chemistry curriculum? If have some other chemistry homeschool ideas to help make teaching this subject fun like it should be.

What is applied chemistry all about. Applied chemistry courses. What is applied science in high school. Chemistry high school. Applied chemistry topics. Applied chemistry high school. High school chemistry curriculum.

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