

## Getting Started on CK-12

### WELCOME TO JUMPSTART

#### Session 1: Getting Started

Welcome to the CK-12 Jumpstart program.

We're going to begin by giving you a brief introduction to CK-12 and then talk about getting started on our site.

CK-12's original goal was to create a comprehensive K-12 STEM curricula. However, our platform can be used for all subjects, and - between donated and Community Contributed content - we have some resources outside of STEM as well. When we began developing our content, we started by focusing on middle school and high school resources. We have recently begun offering some K-5 math and science resources and are currently developing a few community college textbooks as well. We'll talk more about where CK-12 gets this content as we explore the site.

#### HOME PAGE:

As you can see, our homepage - [www.ck12.org](http://www.ck12.org) has a number of different options to get started. You could look at our interactives such as our simulations and plix. You could dive right into our adaptive practice and try out some questions. Or you could see who nearby is working with CK-12 already. Furthermore, you could search a particular topic or go all the way down and look at a branch of Math or Science such as Arithmetic or Earth Science, or you could even check out some of the other general concepts besides our core STEM content.

#### SIGN IN:

To begin using CK-12, you're going to want to "Join." CK-12 doesn't charge for *any* of the resources we offer, but by joining, you will be able to access our interactives, customize your content, assign work, and track progress all in one place.

You can find the orange Join button in the top right of our homepage. If you click on that, you can choose to sign-in using Google, Facebook, Microsoft and Twitter, or even by using your own email and username and password. I'm going to sign-in with my Google account. The only required piece of information we ask for is whether you are a teacher or a student, so that we can gear resources to you. You are also welcome to add in your state, grades, and even a photo if you wish. Now you're ready to get started.

In the future, if you want to sign into your account, you can simply go to the top right "Sign-in" option and, **using the same credentials as before**, sign back into your account. Please note that to access your account, and all of your stored work, you should always log-in the same way (via a self-created username and password or single-sign-on option such as Google or Facebook).

## **OPTIONS/DASHBOARD:**

At the top of every page on CK-12 you will see a number of icons to help you navigate your own work and CK-12's site. The CK-12 logo in the top left will always get you back to our homepage.

From there, you can see the different icons for your dashboard, groups, library, cafe, and standards browser (if you are a teacher).

Your **dashboard** is where you'll see all of the assignments your students have completed, along with info about new comments in group discussions.

**Groups** consist of two types. Classes, in which you can assign work, see student progress, and host discussions, and study groups, where everyone, whether teachers or students, can share resources and collaborate.

Your **library** is particularly important when customizing content. You can save resources CK-12 has created and/or ones you have made or customized.

**CK-12's cafe** includes open forums in which students and teachers can ask and answer questions and collaborate on projects.

On the teacher site, you'll also see a **standards browser** on the homepage where you can find Common Core State Standard and Next Generation Science Standard aligned content. We'll talk more about this shortly.

Don't worry about knowing what all of these icons and sections mean right away. We just want you to have an idea as you explore the site and decide you might want to check them out. In the meantime, your library is really the biggest one that you'll want to understand as we go through this FlexBook® program.

## **SEARCHING CONTENT:**

CK-12 has over 5, 000 concepts for you to use in your teaching. With this in mind, there are many different ways to get to that content based on the goal you have and what you find easiest to navigate. To help you understand what your choices are and decide which is best for you, we are going to explore our content in a couple of different ways.

### **By Topic:**

Let's start by looking at a particular topic. You could scroll down and pick a branch within math or science. Let's say you were teaching Biology, for example. You could click on the Biology tab. And then you can browse all of the concepts related to Biology. Let's say you wanted to teach something on the water cycle. If you scroll down into the Ecology section, you could click on the water cycle concept. Here you will see a number of different ways for students to learn and resources to help you teach that topic. For the water cycle specifically, you'll see our major

featured content, which is our Read, a Video, Practice, and our PLIX, which is our interactive. If you look below at all of the CK-12 content, you can see that in addition to the featured content, there are other resources such as activities, study aids, lesson plans, and even real world applications for this content. In addition to the CK-12 content, you could click on the community contributed tab and this would show you variations of different reads that other people have used, customized, and then chosen to republish to our site.

If, instead of browsing, you wanted to pull resources specifically for a topic, such as the water cycle, you can find that concept directly using our search. You can find search at the top of any page, or if we go back to the homepage, by using our basic search on our homepage. Let's try this for the water cycle. When you pull up the results for the water cycle, you have the option to filter - based on whatever branch you are looking at such as Biology, or even grades, or the type, such as a full concept page, various reads or textbook pages, simulations and PLIX, and so on. Here, if I clicked on the water cycle itself, it would bring me back to the concept page that we already looked at. But, I could jump directly back into our interactive, the read, maybe some lesson plans or activities that relate directly to that content.

### **Using the Standards Browser:**

If you're a state that uses Common Core State Standards or Next Generation Science Standards, we've already done all of the work for you to correlate our concepts to those standards. To see what this looks like, you can start at the homepage and click on the standards browser. You could choose Common Core Math or Next Generation Science and you'll see basically the same thing. So, let's start with Common Core.

You can see that it's broken up into MS & HS topics and their matching strands. If I was teaching Geometry, I could go into that branch and see the different standards for Geometry, along with all of the concepts that CK-12 has that relate to any particular standard. If you click on any concept, you'll see it will bring you to the concept page, where you can find various resources such as a read, our interactive PLIX, videos, and practice that go with the topic of, in this case, the Distance between Two Points.

For some educators, this correlation between Common Core or NGSS and our content is extremely important. Feel free to use this browser to help you find content to specifically address those standards. For those not using Common Core or NGSS, you're still welcome to use this content and see how it best applies to your school and the scope and sequence you work with.

### **By FlexBook®:**

If, instead of looking at a particular topic to help you teach that day or later that week, you want to look at a whole unit, or a whole course, you can go to any branch page. If we're still looking at Biology, we can scroll down on the homepage and click on the Biology branch in Science. You'll notice that this page has all of the concepts for Biology and then there's also a tab that says

FlexBook® Textbooks. If we click on this tab, you'll see a number of different textbooks related to topics in Biology.

For our core content, you'll see more of a traditional CK-12 textbook (such as the Biology one) which includes lessons that can involve multiple concepts. These also include additional resources such as a teacher's edition, and sometimes workbooks and quizzes and tests. You'll see books that include the word "Concepts" in the title. For these books, we took those larger topics and broke them down into specific concepts that we then matched one-to-one with all of the resources on our site. In addition to the core original FlexBook® and our Concepts, you might see other levels of our textbooks. In this case, there is one that says CK-12 Biology Advanced Concepts. Depending on the subject, you'll see variations that may include a basic version for students that might need extra support, or an honors or advanced concept that would be a more in-depth exploration of the concept. Finally, depending on the topic, you may see additional texts, such as these in Human Biology.

### **OUR CONTENT: A Bit of Background**

Let's give you an idea of where these different books came from. CK-12 gets its content in two major ways. Our "seeded" content was developed in-house with authors, domain experts, and reviewers - while our donated content came from credible sources such as Stanford, MIT, and NASA to name a few. The FlexBooks® that CK-12 created went through a rigorous process that included competitive analysis, development of a scope and sequence, creation of the manuscripts by domain experts and authors, a peer review, and technical and copy edits. These books were developed around state and national standards, as well as the National Science Education Standards (NSES), the American Association for the Advancement of Science (AAAS) Project 2016 Benchmarks, McRel (an aggregator of standards), and the National Council of Teachers of Mathematics (NCTM). They have also been correlated to the Common Core State Standards and the Next Generation Science Standards.

If we look at this page for Biology, you can see both the core content CK-12 wrote and the Human Biology Series. Let's open one of the Human Biology books. If you look at the details page for any of these books donated to CK-12, you can see that the author for this book was the program in Human Biology at Stanford University.

### **FILTERING & NAVIGATING:**

Since CK-12 has a number of different books and options for you to use you based on your goals, let's talk about filtering down a bit and seeing the books that are specifically targeted to what you want to teach.

Let's look at the Geometry page and the FlexBooks® that are associated with Geometry. As you can see, right now we are looking at the FlexBooks® for middle school. If you were teaching high school, you could simply click on the Orange Geometry FlexBooks® for High School option and it would bring up all of the books targeted towards high school. These include both our

concept collection and our original FlexBook®, as you can see here and here. In addition to our Geometry Concepts book and the original version of our Geometry FlexBook®, you'll see basic and even honors versions on this page. This will help address students who need a little bit more support or ones who want a more in-depth exploration of the content.

In addition to the difference between books targeted for MS and those for HS, you can filter the books that are shown based on the levels, in some cases basic, at grade, or advanced, or (if we looked back at the Middle School concepts), your basic or at grade, since the advanced versions would really be High School topics. You could also filter your concepts and your textbooks based on the language. In this case, English or Spanish. To find the Spanish books if you're back in the All Languages option, you can simply scroll down on that page to the Spanish books listed for any branch.

This gives you an overall idea of the content that CK-12 has to offer in its FlexBooks® as well as its Concepts.

### **USER GENERATED CONTENT:**

Beyond the core content that CK-12 has created or has been donated specifically to us, CK-12 also shows content that users have made and chosen to republish to our site. If you're looking for a particular topic, such as Slope of a Line, you can find user contributed content under the "Community Contributed" tab. You can also search for content back on our homepage by clicking on the Schools icon. From here, you can pick your state - let's say Texas - and we'll display all of the content created from various schools within the state of Texas that has been republished. You'll see a variety of content, from a single book for certain schools, all the way down to where you'll see multiple books such as those from El Paso Independent School District, where they have decided to convert their content to CK-12. El Paso has decided to go ahead and create their own English content and History content which would be a great place for you to start if you were working outside the STEM branches.

If you, too, want to create your own book, let's go back to the homepage and talk about where you could start.

### **CUSTOMIZING CONTENT:**

If you're looking to create your own FlexBook®, you don't have to start from scratch. CK-12 has done so much work for you already that you can simply go in and find the book that is closely aligned to what you want to teach. Let's look at our Algebra Collections for High School.

You can choose any of these books, let's say Algebra II with Trig, see what concepts are covered within it, and then choose to customize it simply by clicking on the customize option on the left side of your page. This will bring you to your table of contents for your book. From here, you can expand any of the chapters to see the specific concepts included, you can edit anywhere you see a little pencil icon, and you can even reorder content by dragging it up or down. You'll notice that when you reorder sections, the system will even renumber it for you.

We're going to be talking more about this customization of content throughout the next few sessions.

### **A New FlexBook®:**

You'll notice that with some exceptions, the books created by CK-12 are related to STEM content. If you can't find content to customize, either directly from CK-12 or from users via our Schools page or searching for a topic, or you even if you want to start from scratch anyway, you can always choose to create your own book. To do this, go to your library and click on the option to "create a new FlexBook® textbook. The first thing you are going to want to do is create a title so that all of your work is saved within that new book. Once you have saved the title for your book, you can always go back in and edit it some more simply by clicking on the edit option on the left.

At this point in time, you can add any content you want either by searching CK-12, writing a new modality, adding a new chapter, or even uploading from a Word File or a Google Doc.

### **Adding Content:**

From within this table of contents, you can choose to search CK-12 for content to add. Let's say you were writing a section on "Angular Speed." Searching this will show you various concepts that you could add to your FlexBook® textbook. You can simply click on any of these concepts and it will be added directly into your book. If you want to add more than one, go ahead back and search again, add it in and then reorder your topics according to the order you wish to present them.

If you were browsing content on CK-12, let's say if you were looking at "Factoring a Quadratic," you could filter this by reads and then pick any read and if you like it, add it to your FlexBook® textbook simply by clicking on the Add to FlexBook® Textbook on the left side of a page. At this point in time, you'll have the choice to create a new FlexBook® textbook or add it to an existing one. For any modality you add, you'll find it at the bottom of your table of contents when you go back into your FlexBook®. At that point in time, you can choose to reorder any section or chapter and put everything in the order in which you wish to teach it.

### **JUMPSTART YOUR CURRICULUM:**

We hope at this point in time, you have gained an understanding of the variety of resources CK-12 has to offer and just how simple it is to add it to something that you're creating or to start with a book we've already made for you and simply click customize to make it tailored exactly to what you're looking for.

Now we encourage you to just GO EXPLORE. Whether that is through browsing particular topics, customizing a FlexBook®, or jumping into our interactives and practice, we hope you will find something that will enhance your teaching.

Know that throughout your exploration of CK-12 you will be supported. You are welcome to contact us at [jumpstart@ck12.org](mailto:jumpstart@ck12.org) or our amazing support team at [support@ck12.org](mailto:support@ck12.org). We're happy to answer any questions and direct you to the best resources to meet your needs. In addition to the staff at CK-12, we encourage you to get involved in the Jumpstart forum discussion, where you can meet other educators and share your experiences, questions, answers, and tips!

If you want to learn more about others' experiences using CK-12, scroll down to the bottom of any page and choose "Success Stories" to see how different districts have found solutions to their challenges by using CK-12.

We look forward to having you join us in future sessions and wish you Happy Exploring!