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# Scientific Minds®

44.956

Teaching Science, Inspiring Minds

## NATIONAL CATALOG



*Online Learning to*  
**POWER**  
*Science Education*

[www.ScientificMinds.com](http://www.ScientificMinds.com)



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# SCIENCE SIDEKICKS

## Elementary

Excellent tool  
for bilingual  
learning!

Each Science Sidekick is based on the 5E+ learning model with engaging images, activities, assessment, and loads of academic vocabulary practice. With super power ease, teachers control instruction and intervention while students master independent learning. Elementary students revel in learning with the sidekick heroes.

All modules are powered with English and Spanish text and audio. Give all of your students the super powers they need for science success with the research-based Science Sidekicks!

Science Sidekicks lessons support NGSS and state standards. Professional development is included.

### Program Includes:

- 100+ Teacher-guided & video modules
- Engage/Elicit page for journaling or discussion
- Explanation of core concept
- Elaborate task for vocabulary application
- Evaluation in an interactive quiz
- Explore activity
- Exit ticket task to guide learning

### Student Accounts Provide:

- Online access to 100+ lesson modules, videos, vocabulary, & 5E components for independent study
- Online testing
- Printable materials for every module
- Student intervention assignments

### One-Year Site Subscription

Campus teacher and student accounts	\$2,500
-------------------------------------	---------

Large purchase discounts available.  
To request a quote call (800) 886-8145  
or go to [www.ScientificMinds.com/Quote.aspx](http://www.ScientificMinds.com/Quote.aspx)



For funding sources, see page 9  
ISBN: 978-0-692-95091-3

# SCIENCE STARTERS

## Middle School

ELL Strategies  
& Spanish  
Vocabulary!

The Science Starters are a supplemental, research-based program that supports any science curriculum.

Each digital Science Starter module follows the 5E model and provides standards-focused content with interactive flashcards and quizzes. All of the Science Starters lessons support NGSS and state standards. Middle school Science Starters provide Spanish vocabulary support and strategies for all types of learners. Professional development is included.

### Program Includes:

- 120 Teacher-guided & video modules
- Built-in formative & summative assessments
- Interactive flashcards
- Journal topics & guided notes
- Bonus simulations & activities

### Student Accounts Provide:

- Online access to 120 lesson modules, videos, vocabulary, & 5E components for independent study
- Online testing
- Bonus simulations & activities
- Student intervention assignments

### One-Year Site Subscription

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Scientific Minds

Explain Elaborate Evaluate

Physical & Chemical Properties

Click on Research to try

Property	Chemical Property	Physical Property
Acid	Base	Magnets

Chemical Property

Propiedades Químicas

Scientific Minds

Explain Elaborate Evaluate

Models

This model of a bacteria cell is obviously much larger than a real bacteria.

HOME

Page 8/11

For funding sources, see page 9  
ISBN: 978-0-9839739-2-8

# BIOLOGY

by  Scientific Minds<sup>®</sup>

## High School Biology

ELL Strategies  
& Spanish  
Vocabulary

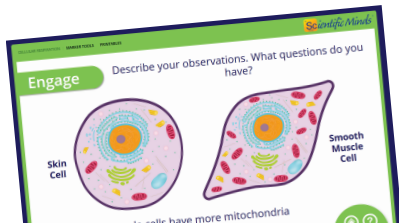
The 100+ Biology modules teach important biology concepts and prepare students for end of course (EOC) assessments, college, and careers. Biology by Scientific Minds can be teacher-guided for whole-class instruction or played as a video for independent student study. Each module includes engaging journal topics, an interactive vocabulary directory, module quiz, exit ticket, and explore activity. Lessons support NGSS and state standards and are an effective tool for review, remediation, and enrichment. Professional development is included.

### Program Includes:

- 100+ Teacher-guided & video modules
- Engage phenomenon with guiding question
- Explanation of core concept
- Elaborate task for vocabulary application
- Evaluation in an interactive quiz
- Explore activity
- Exit ticket for formative assessment

### Student Accounts Provide:

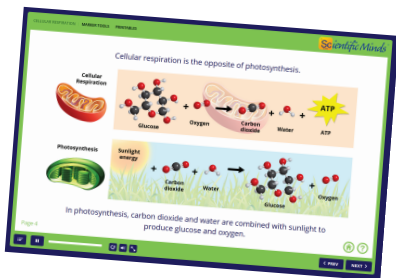
- Online access to 100+ lesson modules, videos, vocabulary, & 5E components for independent study
- Online testing
- Printable materials for every module
- Bonus simulations & activities



### One-Year Site Subscription

Campus teacher and student accounts (includes both Biology & Chemistry) \$2,500

Large purchase discounts available.  
To request a quote call (800) 886-8145  
or go to [www.ScientificMinds.com/Quote.aspx](http://www.ScientificMinds.com/Quote.aspx)



For funding sources, see page 9  
BIO ISBN: 978-0-9839739-4-2

# SCIENCE STARTERS

## High School Chemistry

ELL Strategies  
& Spanish  
Vocabulary

The 101 Chemistry Starters teach important biology and chemistry concepts and prepare students for end of course (EOC) assessments, college, and careers.

Chemistry Starters can be teacher-guided for whole-class instruction or played as a video for independent student study. Each module includes interactive vocabulary flashcards and a digital quiz. Lessons support NGSS and state standards and are an effective tool for review, remediation, and enrichment. Professional development is included.

### Program Includes:

- 101 Teacher-guided & video modules
- Built-in formative & summative assessments
- Interactive flashcards
- Journal topics & guided notes
- Bonus simulations & activities

### Student Accounts Provide:

- Online access to 101 lesson modules, videos, vocabulary, & 5E components for independent study
- Online testing
- Bonus simulations & activities

### One-Year Site Subscription

Campus teacher and student accounts (includes both Biology & Chemistry) \$2,500

Large purchase discounts available.  
To request a quote call (800) 886-8145  
or go to [www.ScientificMinds.com/Quote.aspx](http://www.ScientificMinds.com/Quote.aspx)

The screenshot shows the 'Scientific Minds' interface for 'Halogens and Noble Gases'. It features a grid of periodic table elements and a detailed view of Helium (He) with its atomic number (2), symbol (He), and name (Helium). The interface includes navigation buttons like 'Explain', 'Elaborate', and 'Evaluate'.

The screenshot shows a simulation titled 'Halogens and Noble Gases' with five discharge tubes labeled He, Ne, Ar, Kr, and Xe. Each tube is filled with a different noble gas and is glowing with a characteristic color: He (orange-red), Ne (red-orange), Ar (purple), Kr (white), and Xe (blue). Below the simulation, there is a text box explaining the history of noble gases in light bulbs and their use in advertising signs and barcode readers.

For funding sources, see page 9  
CHEM ISBN: 978-0-9839739-5-9



# Chunk the *Science* Standards

## *Professional Development*

Chunk the Science Standards provides training in breaking down science standards into smaller "chunks" that students more easily absorb. The online, on-demand professional development comes bundled with one year of access to either the Science Sidekicks (3-5), Middle School Science Starters (6-8), Biology by Scientific Minds, or Chemistry Starters. The training includes RTI and ELL strategies and provides ongoing content support. Administrators can track teacher completion and responses to PD questions.

For more information call (800) 886-8145

### **Elementary & Biology Modules:**

1. Introduction to the PD Platform
2. Navigating your Scientific Minds Account
3. The 5E+ Model
4. Navigating the Sidekick Home Page
5. The Engage Learning Piece
6. The Explain Learning Piece
7. The Elaborate Learning Piece
8. The Evaluate Learning Piece
9. The Explore Learning Piece
10. The Exit Tickets Learning Piece
11. Supporting State Science Standards
12. Digital Assessment and Grading

### **Middle School & Chemistry Modules:**

1. Introduction
2. Navigating the Scientific Minds System
3. User Options
4. The 5-E Instructional Model
5. Flipped Teaching
6. Science Across the Curriculum
7. Strategies for Remediation and Intervention
8. Vocabulary Activities
9. Student Assessment
10. State Science Standards

*For funding sources, see page 9*

# mc<sup>2</sup>

mastering core content  
*in* agriculture

MC<sup>2</sup> (Mastering Core Content) in Agriculture focuses on STEM skills in the following areas: Animal Science, Plant Science, Soil Science, and Environmental Science. The series of engaging videos and accompanying activities and assessments is built from state standards, AFNR standards, and Career and College Readiness Standards. The program provides teachers with an easy-to-use framework for emphasizing core content, especially science and math, that can be found within the Agriculture career cluster.

Let MC<sup>2</sup> in Agriculture engage your students and help them master the science and math they need for success in high school and beyond!

## Each Teacher License Includes:

- 30 Web-Based Videos
- Alignment to AFNR and State Core Subject Standards
- Student Worksheets that include:
  - Assessment Questions
  - Science, Math, Social Studies, and ELA Connections
  - Hands-On Extension Activities
  - Vocabulary Practice and SAT College Prep Vocabulary Words
- Quizzes for Assessment
- Teacher Guide and Teacher Key

## Student Accounts Provide:

- Online Testing
- Student Access to Videos, Worksheets, and MORE!

## One-Year Subscription

One teacher + 25 student accounts bundle \$250

Large purchase discounts available.  
To request a quote call (800) 886-8145  
or go to [www.ScientificMinds.com/Quote.aspx](http://www.ScientificMinds.com/Quote.aspx)

**Horned** ----- Phenotype  
PP ----- Genotype

Phenotype  
Physical Appearance

Genotype  
Genetic Makeup

biology

Cells grow & divide

For funding sources, see page 9  
ISBN: 978-0-9839739-3-5



# Funding Sources

*for Science Starters, Science Sidekicks, and  
Chunk the Science Standards Professional Development*

## **Title I, Part A: Improving the Academic Achievement of the Disadvantaged**

Funds may be used to help students meet state academic standards. Among other expenses, schools may provide supplemental materials, technology, and professional development.

## **Title II, Part A: Improving Teacher Quality**

Funds may be used to provide professional development and ongoing content support.

## **Title III: Language Instruction for LEP and Immigrant Students**

Funds may be used to provide professional development and curriculum, including technology and supplemental programs.

## **Title IV Part B: 21st Century Community Learning Centers**

Funds can be used to provide before or after school opportunities for academic enrichment including providing tutorial services to help students meet state and local student performance standards in core academic subjects.

## **Title V Part A: Innovative Programs**

Grants for innovative programs to increase student academic achievement. Includes technology and educational materials [Section 5131(a)(2)], [Section 5131(a)(3)].

## **Individuals with Disabilities Act (IDEA) Part B**

Funds can be used to provide early intervention and to implement a response to intervention program (RTI). RTI provides supplemental instruction to support students before they are given an individualized education plan (IEP).

## **Enhancing Education through Technology (Ed Tech State Program)**

The primary goal of this program is to improve student achievement through the use of technology in elementary and secondary schools.

## **Race to the Top**

Race to the Top is a competitive grant that supports the following: 1) Quality Standards and Assessment; 2) Data Systems to Improve Instruction; 3) Great Teachers and Principals; and 4) Turnaround of Lowest-Achieving Schools.

## **Striving Readers**

Funds can be used to increase the effectiveness of literacy instruction.

## **School Improvement Grants**

Among other expenses, funds can be used for professional development to ensure that limited English proficient students acquire language skills to master academic content.

## **PledgeCents™**

PledgeCents is an online fundraising platform for all PreK-12 needs. With its more flexible platform, teachers can raise money for needs that are not served by any other crowdfunding site. Sign up and create your fundraising page in seconds at [www.pledgecents.com/signup/event/Scientific-Minds](http://www.pledgecents.com/signup/event/Scientific-Minds), choose the number of accounts you want, and once the funds are raised we will activate your account(s).



Call or e-mail today to schedule a demonstration

**(800) 886-8145**

**info@scientificminds.com**

An online quote request form can be found at

**www.ScientificMinds.com**

