

STEMSCOPES GETTING STARTED GUIDE



VISIT: [3P.STEMSCOPES.SCIENCE](https://3p.stemscopes.science)

stemscopes
SCIENCE

 A 3P Learning product

We're very excited that your school has joined our STEMscopes Science community. To get you started, we've put together this handy guide which contains everything you need to get going with STEMscopes.

Inside you'll find:

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Log in to STEMscopes Science

- 1** Head to 3p.stemscopes.science.
- 2** Select login and choose your country.
- 3** Log in with your unique login details.

Assigning Module Activities

The core content of STEMscopes Science is delivered through a series of modules that follow the **5E Model** (we'll go into detail about this model in the next section). Each module is made up of a variety of different digital and printable resources and student activities, which are all aligned to the specific curriculum you teach.

The lesson activities in the modules can be assigned to your students with specific start and due dates. They will not appear in the Assign area of the student console until the start date is reached.

Important: Students do not have access to the module library, and will only see the content that you have assigned them.

Here's how you do it!

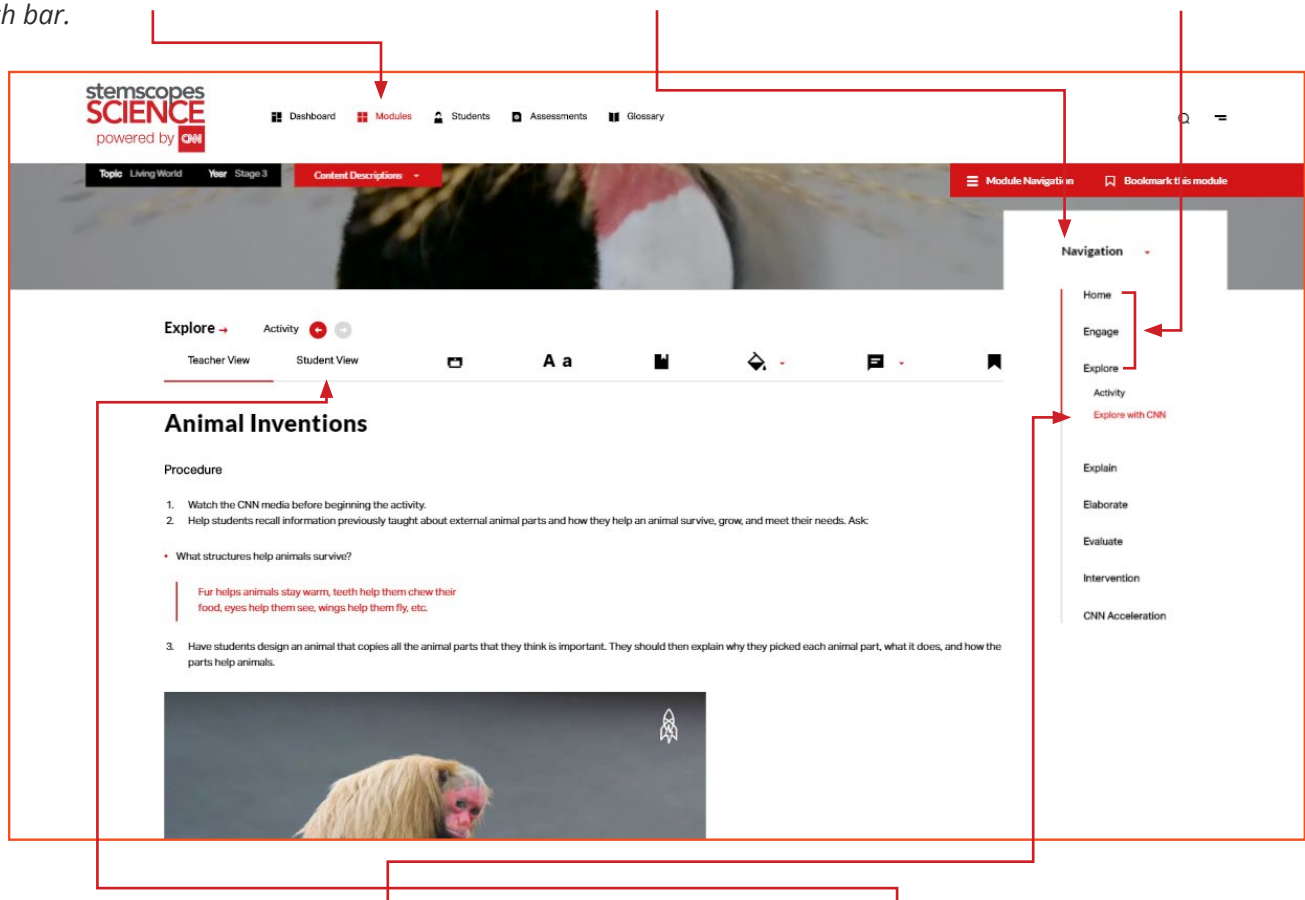
Step 1: Go to  **Modules** and select your module.

Note: Filter modules by selecting a year and topic, or by using the search bar.

Step 2: Scroll down to access the Navigation menu on the right-hand side.


Step 3: Select Engage, Explore or Explain.

Note: See page X for details in the purpose of each of these sections.



The screenshot shows the STEMscopes Science interface. At the top, there's a navigation bar with links for Dashboard, Modules, Students, Assessments, and Glossary. Below this is a header section with a background image of a person. The main content area is titled 'Animal Inventions' and includes a 'Procedure' section with numbered steps. A video player is visible at the bottom. On the right side, there's a 'Navigation' menu with options like Home, Engage, Explore, Activity, Explain, Elaborate, Evaluate, Intervention, and CNN Acceleration. The 'Engage' option is highlighted with a red arrow. The 'Activity' tab is also highlighted with a red arrow. The 'Student View' tab is highlighted with a red arrow. The 'Engage' option is highlighted with a red arrow.

Step 4: Identify one activity from the chosen section that best meets your students' needs.

Step 5: Select 'Student View' to preview how this activity will be presented to your students. Click  to assign.

Assigning Module Activities

Step 6: Select the class that is going to receive the assignment.

Note: You can choose an entire class or individual students.

Step 7: Select a start date, due date and assignment labels.

Note: You also have the option of adding additional notes.

Step 8: Select



ADD THIS ASSIGNMENT.

New Assignment

Classes that will receive this assignment

Assign to

Start

Due

Assignment Labels


Note for students (will be displayed with the assignment)

ADD THIS ASSIGNMENT

TEACHER TIP!

Teacher Background in each module gives you foundational knowledge for the concepts explored. This is for you to refresh your memory or be introduced to an unfamiliar topic.

Student results

To view your students' progress on assignments, go to  **Students** and select your class. Click on the **Assignments** tab and then select a specific assignment.

Search for Assignments...

Term 3 - End of Term Test from Assessments
1 classes assigned

Explore with CNN from Y6 Alternative Energy
1 classes assigned

From here you can:

- Identify which students have completed the assignment
- Grade your students' assignments
- See the results of previously graded assignments
- View the grade average for the entire group
- Choose to release feedback and grades to students
- Reset the assignment

Hook from Y7 Balanced and Unbalanced Forces

Status: 5 students have not started this assignment.

Start: Oct 17, 2019 12:00 am Due: Oct 21, 2019 12:00 am Assigned to: 6 students Graded: No Grade Average: 19

Assigned Element: Hook in Y7 Balanced and Unbalanced Forces Assigned Class: 6 Red 6 in section Assignment Snapshot: View Current Snapshot 4 questions

Submissions



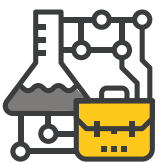



NAME	STATUS	GRADE	TIME TO COMPLETE	SUBMITTED AT
Hudson Cook	Assigned	-	-	
Isabelle Criddle	Assigned	-	-	
Grace Dally	Completed	19	1 minute	Oct 18, 2019 11:36 am

Release Feedback Reset All Submissions View Results Reset

The 5E + IA Model

The **5E Instructional Model** is an evidence-based science learning technique. Supporting active, constructivist learning, it helps students build skills and understanding about a specific scientific phenomenon by incorporating past knowledge, hands-on learning, and inquiry-based investigations through 5 key phases.

STEMscopes Science uses this model with the addition of **Intervention and Acceleration** to provide you with additional opportunities to identify and address gaps in your students' knowledge, leading to student achievement and success.

	<p>Phase 1: Engagement</p> <p>Spark interest and engage your students, discover their background knowledge and develop the initial context for your lesson.</p>	<p>Stemscopes - Engage</p> <ul style="list-style-type: none"> Engage with CNN Hook
	<p>Phase 2: Exploration</p> <p>Using students' experiences and existing knowledge, build their understanding through extensive hands-on, inquiry-based science investigations.</p>	<p>Stemscopes - Explore</p> <ul style="list-style-type: none"> Activity Explore with CNN
	<p>Phase 3: Explanation</p> <p>This is the part of the learning cycle where students explain their newly developed understanding through question prompts and activities. It allows students to academically understand and communicate what they have learned so far.</p>	<p>Stemscopes - Explain Picture</p> <ul style="list-style-type: none"> Vocabulary Linking Literacy STEMscopedia Communicate Science with CNN Concept Review Game Content Connections with CNN
	<p>Phase 4: Elaboration</p> <p>Builds students' understanding of the scientific phenomena through the integration of cross-curricular connections including reading and maths.</p>	<p>Stemscopes - Elaborate</p> <ul style="list-style-type: none"> Reading Science Maths Connections Science Today with CNN Career Connections PhET: Simulation Practice
	<p>Phase 5: Evaluation</p> <p>Evaluation provides both the teacher and student a means to assess the student's understanding of the scientific concepts covered within the module. Assess your students using multiple-choice, open-ended response and claim-evidence-reasoning assessment tasks.</p>	<p>Stemscopes - Evaluate</p> <ul style="list-style-type: none"> Argue: Claim-Evidence-Reasoning Multiple Choice Assessment Open-Ended Response Assessment
	<p>Intervention:</p> <p>Additional material and support for students who have not yet mastered the content. Assign students these activities to give them more opportunities to interact with the content and get back on track.</p>	<p>Stemscopes - Intervention</p> <ul style="list-style-type: none"> Guided Practice Independent Practise Concept Attainment Quiz
	<p>Acceleration:</p> <p>This provides teachers with additional media content to extend student learning.</p>	<p>Stemscopes - CNN Acceleration</p> <ul style="list-style-type: none"> Learn More with CNN

Dashboard: This takes you to your Teacher Dashboard.

Modules: Here you'll find all the STEMscopes Science modules available to you.

Assessments: Create and assign your own assessments using questions and content from within STEMscopes Science.

Students: View and edit student details and see students' assignment results.

Search Bar: Use this tool to search for modules using key words or phrases e.g. animals.

Toolbox: This is your hub of resources and tools to help you get the most out of your STEMscopes experience.

Content Descriptions: Here you'll find the full science curriculum for your region with corresponding modules.

Glossary: Your personal database of key science terms.

5E Model: An overview of the research behind the 5E+IA model.

STEMcoach: Your library of professional development resources, classroom strategies and lessons, and STEM discussions to instigate with your colleagues.

Modules: This is a snapshot of some of the modules available to you.

Science in the News: See the most recent science-based CNN videos and articles. Each news piece comes with a link, providing you with the latest developments in science, building on the real-world experience.

Dashboard: This takes students to their Dashboard. From here they can see recent science-based CNN news and articles and a snapshot of students' assigned activities.

Assignments: From here students have a full view of the assignments they need to complete.

Grades: This is where students view their results for completed assignments.

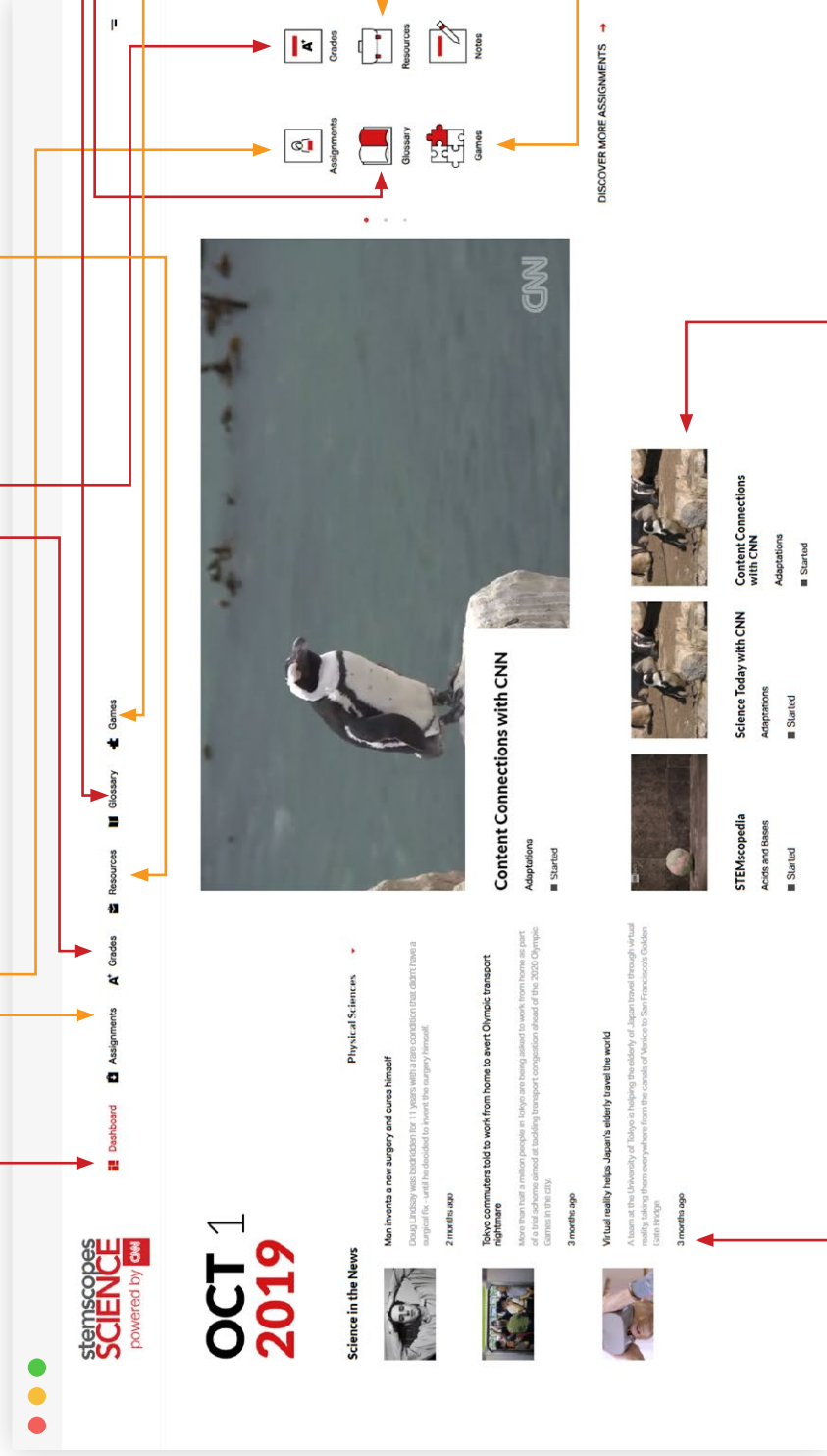
Resources: A toolbox of resources for students to access at any time including STEMscopedia, Picture Vocabulary and CNN discovery activities.

Glossary: A digital dictionary of key science terms for students. Each term is accompanied by a visual aid.

Games: A collection of engaging educational games that reinforce science content and skills learnt in the modules.

Assignments: This is a visual snapshot of students' assigned activities.

Science in the News: Just like your Dashboard, students can see the most recent science-based CNN videos and articles. Each news piece comes with a link, so they can explore the latest developments in science, building on the real-world experience.
Note: *Science in the News is not available in all regions.*



Dashboard: This takes you to your Student Dashboard. From here see recent science-based CNN news and articles and a snapshot of your assigned activities.

Assignments: Click here to see and complete assignments that have been assigned to you.

Grades: This is where you view results for your completed assignments.

Resources: Your toolbox of resources that you can access at any time. Resources include STEMscopedia, Picture Vocabulary and CNN discovery activities.

Glossary: Your digital dictionary of key science terms. Each term is accompanied by a visual aid.

Games: A collection of science-based games that reinforce the science content and skills you have learnt.

Assignments: This is a visual snapshot of activities you have been assigned to complete.

Science in the News: See the most recent science-based CNN videos and articles. Each news piece comes with a link, so you can explore the latest developments in science around the world.
Note: *Science in the News is not available in all regions.*

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OCT 1 2019

Science in the News

Physical Sciences

Man invents a new surgery and cures himself
David Lussier was bedridden for 11 years with a rare condition that didn't have a surgical fix, until he decided to invent the surgery himself.
2 months ago

Tokyo commuters told to work from home to avert Olympic transport nightmare
More than half a million people in Tokyo are being asked to work from home as part of a trial scheme aimed at tackling transport congestion ahead of the 2020 Olympic Games in the city.
3 months ago

Virtual reality helps Japan's elderly travel the world
A team at the University of Tokyo is helping the elderly of Japan travel through virtual reality, taking them everywhere from the canals of Venice to San Francisco's Golden Gate Bridge.
3 months ago

Content Connections with CNN

Adaptations
Started

STEMscopedia
Acids and Bases
Started

Science Today with CNN
Adaptations
Started

Content Connections with CNN
Adaptations
Started

DISCOVER MORE ASSIGNMENTS →

Assignments
Grades
Resources
Glossary
Games

Parent Welcome Letter

Dear Parent or Guardian,

Your child is using STEMscopes Science as part of their science program at school. STEMscopes Science is designed to engage your children in science learning with an inquiry-based curriculum that not only builds deep understanding in science but connects it to the real-world. The program focuses on hands-on learning which keeps your children excited about science and enables them to explore phenomena in the way scientists do.

STEMscopes Science gives your child access to all the great content and activities both at school and at home. They simply sign in with their STEMscopes username and password using any compatible desktop or mobile device.

Access STEMscopes at home with these 3 easy steps:

- 1** Visit 3p.stemscopes.science.
- 2** Select 'Login' and choose your country.
- 3** Enter the login details below.

Student STEMscopes Login

Fill out student login information or
print off student login card.

Username: _____

Password: _____

Sign in at 3p.stemscopes.science

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For more information about STEMscopes Science,
contact our friendly team.

team.stemscopes@3plearning.com



A 3P Learning product