INFO SESSION

Make the Most of your Membership

Thanks for joining us! We will begin promptly at 2:00 p.m. ET.

- Use the “Questions” area to submit questions as they arise.
- This webinar will be archived at NROC.org, and you will receive a follow-up email with a link to the recording and slides.
- Contribute to the Twitter conversation at #NROCpd.
- Do you need help with GoToWebinar? Email memberservices@NROC.org.
Leaders like you partner with The NROC Project to imagine, develop, test, & refine technologies that improve learner readiness, retention, and success.
NROC partners with educators to create courses and tools that are designed to recognize every student’s unique learning needs and preferences.

<table>
<thead>
<tr>
<th>COURSES</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NROC MATH</td>
<td>NROC ENGLISH</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TOOLS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EdReady</td>
<td>Hippo Campus</td>
</tr>
</tbody>
</table>
WHO WE WORK WITH

Secondary

Postsecondary

Adult Education

“I’m a mom and I’m a grandma, but I never finished high school. And, the biggest reason for that is that I was totally intimidated by math. After having participated in the program EdReady, I have exceeded my own expectations and overcome fears in algebra.”

— Latonia McGruder, student, Fairfield-Suisun Adult School
Member institutions receive unlimited access to our suite of solutions & implementation services.
WHAT WE OFFER

NROC COURSES

<table>
<thead>
<tr>
<th>NROC MATH</th>
<th>NROC ENGLISH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra 1</td>
<td>Developmental Math</td>
</tr>
<tr>
<td>Developmental Math</td>
<td>Developmental English</td>
</tr>
</tbody>
</table>

WEB-BASED TOOLS

<table>
<thead>
<tr>
<th>EdReady</th>
<th>Hippo Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>a readiness system (to personalize a learner’s study path)</td>
<td>a curated repository of learning objects</td>
</tr>
</tbody>
</table>

NROC courses can be installed in a Learning Management System (LMS)

... or can be accessed through our web-based tools
What is NROC Math?

NROC MATH

DEVELOPMENTAL MATH

ALGEBRA 1
# NROC Developmental Math

## 19 Units

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>5: Percents</td>
<td>6: Measurement</td>
<td>9: Real Numbers</td>
<td>10: Solving Equations &amp; Inequalities</td>
</tr>
<tr>
<td>17: Functions</td>
<td>18: Exponential &amp; Logarithmic Functions</td>
<td>7: Geometry</td>
<td>8: Concepts in Statistics</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>16: Radical Expressions and Quadratic Equations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>19: Trigonometry</td>
</tr>
</tbody>
</table>

---

*Notes:*
- Each unit is designed to build upon the previous one, providing a comprehensive foundation in developmental math.
- The course is structured to ensurelearners can progress at their own pace.
- Additional resources and practice materials are available online through the NROC platform.
# NROC Algebra 1

## 12 UNITS

1. Algebra: A New Angle
2. Solve Linear Equations
3. Functions and Patterns
4. Analyze and Graph Linear Equations, Functions, and Relations
5. Analyze, Solve, and Graph Linear Inequalities
6. Systems of Linear Equations and Inequalities
7. Radical Expressions
8. Polynomials
9. Factoring
10. Quadratic Functions
11. Rational Expressions and Equations
12. Extensions and Applications
Multiplying Whole Numbers and Applications

**Multiplication**

\[ 21 \times 15 = 315 \]
\[ 21 \times 15 = 315 \]
\[ 21(15) = 315 \]

Here you see the number \( \pi \) again.

The volume of a *cylinder* is the area of its base, \( \pi r^2 \), times its height, \( h \).

Compare the formula for the volume of a cone \( V = \frac{\pi r^2 \cdot h}{3} \) with the formula for the volume of a pyramid \( V = \frac{\pi r \cdot w \cdot h}{3} \). The numerator of the cone formula is the volume formula for a cylinder, and the numerator of the pyramid formula is the volume formula for a rectangular prism. Then divide each by 3 to find the volumes of the cone and the pyramid. Looking for patterns and similarities in the formulas can help you remember.
Developmental English

This course was developed for students striving to meet basic college entrance requirements. The integrated curriculum, spanning reading comprehension, writing, vocabulary building, and grammar skills, allows students to practice strategies for reading and writing effectively.

An INTEGRATED reading and writing program
# NROC English Introduction

## 10 UNITS

Each unit, designed around a unique reading selection and pattern of writing, follows the same sequence of integrated reading and writing experiences.

<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>1: Introduction to College Reading and Writing</td>
<td>2: Identifying Main Ideas</td>
<td>3: Discovering Implied Meaning</td>
<td>4: Interpreting Bias</td>
</tr>
<tr>
<td>5: Analysis through Definition</td>
<td>6: Learning Across Disciplines</td>
<td>7: Exploring Comparative Elements</td>
<td>8: Informed Opinions through Causal Chains</td>
</tr>
<tr>
<td>9: Applied Critical Analysis</td>
<td>10: Using Sources in Critical Reading and Writing</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*pre-assessment available to customize entry point*
Interpreting Bias

All readers and writers have personal viewpoints that influence their opinions. Recognizing these biases will help you evaluate what you read to make you a more critical thinker. Additionally, recognizing bias as you write helps you present your own ideas more convincingly. In this unit, you will learn how to interpret bias in a reading by making inferences and drawing conclusions. You will also learn how to write an essay that solidly supports your position on a topic.
HIGHLIGHTEO FEATURES OF NROC ENGLISH:

**Videos** (professionally produced)

**My Journal**

**Active Reader** (with audio & scaffolding)

**Writing Center** (step-by-step)

**Resources** (grammar videos & foundation lessons)
Manage your courses & student data

Manage your courses & student data

**Course Management and Reporting**

Select a class to edit:
- DE Production 9-11-2015

**Edit Class Settings**
- Currently Editing: DE Production 9-11-2015
- Course ID: uFpQarKBsb:151
- Course Location: http://moodle.montereyinstitute.org

**Class Name:** DE Production 9-11-2015

**Primary Instructor:**
- Test, Instructor1

**Secondary Instructors:**
- --none selected--

**Review**
- **Allow Retakes:**
  - [ ] Allowed
  - [x] Not Allowed
- **Mastery Level:**
  - 70

**Writing Center**
- **E-mail Notifications for Instructor Reviews:**
  - [ ] Allowed
  - [ ] Not Allowed
- **Allow Peer Reviews:**
  - [ ] Allowed
  - [ ] Not Allowed
- **Number of Reviewers:**
  - 2
  - Reviewers are assigned randomly
- **Days Allowed to Complete a Review:**
  - 7

[Save Changes]
Manage your courses and student data (cloud-based)
Delivery Methods for NROC Courses
### WHAT WE OFFER

<table>
<thead>
<tr>
<th>NROC COURSES</th>
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<tr>
<td></td>
<td>(to personalize a</td>
<td>learning objects)</td>
</tr>
<tr>
<td></td>
<td>learner’s study path)</td>
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</tr>
</tbody>
</table>

NROC courses can be installed in a Learning Management System (LMS)...

...or can be accessed through our web-based tools.
METHODS OF DELIVERING NROC CONTENT TO STUDENTS:

1. Install in a local Learning Management System (LMS)
2. EdReady
3. Pull discrete learning objects from HippoCampus (to use anywhere)
Adaptable within Local Learning Management Systems

COURSE: Algebra 1
Topic Home
Warm Up
Presentation
Worked Examples
Topic Text
Practice
Review

COURSE: Developmental Math
Topic Home
Warm Up
Presentation
Worked Examples
Topic Text
Practice
Review

COURSE: Developmental English
Introduction to College Reading and Writing
Introduction
Pre-Reading
Active Reader
Post-Reading
Review
Pre-Writing
Writing Center
Notifications

Log In
Logout

Blackboard
brightspace
canvas
moodle
Unique Features and Benefits

- Greater instructor control over course sequence and pacing
- Ability to hide/show topics when desired
- Instructors can inject external content
- Instructors can remove existing content at the unit or topic level
- Unit-level summative activities
**PRESENTATIONS**

Multiplying Whole Numbers and Applications

**WORKED EXAMPLES**

Graphing Types of Functions

**TEXT-BASED LESSONS**

Multiplication
21 x 15 = 315
21 x 15 = 315
21(15) = 315

Here is the number to relearn again.

The volume of a cylinder is the area of its base, \( \pi r^2 \), times its height, \( h \).

Compare the formula for the volume of a cone \( V = \frac{1}{3} \pi r^2 h \) with the formula for the volume of a cylinder \( V = \pi r^2 h \).

**PRACTICE/REVIEW PROBLEMS**

Graphing Systems of Inequalities

**VIRTUAL TUTOR SIMULATIONS**

PBL ACTIVITIES

*Not available in EdReady*
Installed NROC English Writing Center

- Unit-level writing assignments
- Instructors provide feedback and assign grades
- Student peer reviews (optional)
Student and Class-level Reporting via NROC’s Course Manager
METHODS OF DELIVERING NROC CONTENT TO STUDENTS:

1. Install in a local Learning Management System (LMS)

2. EdReady

3. Pull discrete learning objects from HippoCampus (to use anywhere)
EdReady

EdReady is a math and English readiness system that employs a knowledge inventory to personalize a learner’s path to subject mastery within the context of a specific educational goal.
EdReady: Unique Features and Benefits

- No LMS Required
- Single-Sign-On integration available
- Hundreds of pre-loaded scope alignments
- Many customization options
- Robust suite of reports
No Virtual Tutor Simulations or Project-Based Learning Activities in EdReady
See overarching performance trends.
WEB-BASED TOOLS

Open and Designed for Institutional Customization

Data Access

Teachers / instructors can see students’ unit-level mastery at a glance.
### Data Access

#### Questions

This table shows each question administered to this student for the test chosen from the table above. Click “Show” in the Actions column to launch the question viewer, which includes options to review the student answer as well as the correct answer in each case. If you filter or sort this table, the question viewer will only show the questions listed in the table.

**Questions administered for: Fractions and Mixed Numbers (Test #2)**

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Import Code</th>
<th>Name</th>
<th>Level</th>
<th>Result</th>
<th>Possible Points</th>
<th>Scored Points</th>
<th>Actions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>614264</td>
<td>614264</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
<tr>
<td>2</td>
<td>151703</td>
<td>151703</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
<tr>
<td>3</td>
<td>166516</td>
<td>166516</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
<tr>
<td>4</td>
<td>1954196</td>
<td>1954196</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
<tr>
<td>5</td>
<td>151751</td>
<td>151751</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
<tr>
<td>6</td>
<td>191727</td>
<td>191727</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
<tr>
<td>7</td>
<td>1953188</td>
<td>1953188</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
<tr>
<td>8</td>
<td>749561</td>
<td>749561</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
<tr>
<td>9</td>
<td>749721</td>
<td>749721</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
<tr>
<td>10</td>
<td>151643</td>
<td>151643</td>
<td>LOW</td>
<td>Correct</td>
<td>1</td>
<td>1</td>
<td>Show</td>
</tr>
</tbody>
</table>

Teachers / instructors can see the questions students answered.
EdReady: Unique Features and Benefits

- Great for large enrollments
- Flexible student access
- Flexible administrative rights
- Year-to-year roll up reporting
- Historical testing data
METHODS OF DELIVERING NROC CONTENT TO STUDENTS:

1. Install in a local Learning Management System (LMS)

2. EdReady

3. Pull discrete learning objects from HippoCampus (to use anywhere)
Hippo Campus

HippoCampus is a curated repository of thousands of multimedia learning objects from NROC and other respected providers, including Khan Academy, PhET, and NOAA.
Hippo Campus

Link to any topic media with a unique URL.

HippoCampus.org
Instructors can create playlists of multiple resources and share with one URL.
HippoCampus: Unique Features and Benefits

- Quick access to individual learning objects
- Easy sharing of individual or multiple resources
- Multiple subjects available
- No student tracking or reporting available
Using Your NROC Membership Resources
Technology can’t—and shouldn’t—replace the human art of teaching, but it can help you effectively individualize instruction at scale.
Using Your NROC Membership Resources:

Support Student Readiness

Help students prepare for:
- Grade-level transitions (ex: 8th Grade Readiness)
- Transition to college (ex: Summer Bootcamp)
- Specific courses: ensure students know key prerequisite skills
Using Your NROC Membership Resources:

Support Student Readiness

Help students prepare for external exams:

- ACT/ SAT
- HSE/ GED
- TABE
- CASAS
- Praxis
- NRS

Pre-Loaded scopes ready for use in EdReady

More information: EdReady Pre-Loaded Scopes
Using Your NROC Membership Resources:

Support Student Readiness

Help students prepare for programs of study with career math pathways:
152 pre-loaded scopes aligned to the most common career and certificate programs in the United States

More information about NROC for Adult Education:
https://www.nroc.org/info/adult-education
EdReady as a Placement Alternative

As an alternative to traditional high-stakes placement testing with a focus on student readiness:

- Identify the concepts your students need to know to be successful in classes at your institution
- Students can place into courses based on demonstrated current knowledge levels (initial diagnostic performance)
- Independent study path use allows students to fill in gaps in knowledge: students earn increased placement opportunities from meeting milestones (scores and/or time spent working in EdReady)

Read more at: [Getting Past Placement: EdReady as a Low-Stakes Solution for Readiness](#)
**Curriculum in the Classroom**

- Installed English and Developmental Math courses offer the functionality of LMS integration with the power of NROC’s adaptive learning
  - Instructors can ensure a specific assessment grade is reached prior to next unit being opened
  - Integrate assessments with gradebook
  - Pre-assessment can be disabled
- Installed courses offer the course manager allowing customization of configuration and reporting
  - Unit order can be determined by instructor
  - Unit test questions can be selected by instructor
  - Reports show student performance and work behavior
EdReady

EdReady is a math and English readiness system that employs a knowledge inventory to personalize a learner’s path to subject mastery within the context of a specific educational goal.
Using Your NROC Membership Resources:

Curriculum in the Classroom

Adaptive Learning supports students

- Gives students credit for content knowledge they have
- Allows students to focus on the topics they need (alleviating boredom)

Adaptive Learning supports instructors

- Allows instructors to see topics students are struggling with and what they have mastered
- Allows instructors to differentiate instruction to meet the needs of students
- Allows instructors to extend learning by offering higher order thinking skill challenges in areas where students are proficient.
Using Your NROC Membership Resources:

**HippoCampus: beyond Math & English**

Supports online learning, hybrid, or traditional courses by offering high quality instructional videos extending into various Liberal Arts areas:

1. Advance mathematics (Calculus and higher) and statistics
2. Science: Chemistry, Physics, Biology, & Earth

The links can be launched automatically in the LMS through deep linking availability.

Most LMS’s can track student usage of media interaction, it is not tracked on HippoCampus site.

Instructors can create a customized playlists for their students.
Implementation Support
Robust implementation and technical support

Dedicated implementation specialist
Daily Office Hours
Regular Info Sessions
Comprehensive Help Center and technical ticket support
Office Hours

Drop-in Office Hours sessions offered every week day, available for all instructors and staff at member institutions.

MONDAY: 9am PT / 12pm ET
TUESDAY: 1pm PT / 4pm ET
WEDNESDAY: 1pm PT / 4pm ET
THURSDAY: 1pm PT / 4pm ET
FRIDAY: 9am PT / 12pm ET

Details at: https://www.nroc.org/support-hub#Support-Options
Or bookmark this link (only active during office hours): https://global.gotomeeting.com/join/533082813
BACK-TO-SCHOOL Info Session Series

Today:
Make the Most of Your Membership | Monday, 8/9 at 2 PM ET

Upcoming:
EdReady 101 | Tuesday, 8/10 at 2 PM ET
Optimize EdReady for a New Semester | Wednesday, 8/11 at 2 PM ET
Leverage EdReady Reports to Support Your Students | Thursday, 8/12 at 2 PM ET
EdReady Advanced and New Functionality | Friday, 8/13 at 2 PM ET

Register and find session recordings at NROC.org
Thank you for joining us!