BACK-TO-SCHOOL *Info Session Series*

EdReady 101

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 NROCnetwork.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.

THE NROC PROJECT

NROC partners with educators to create open and low-cost courses and tools

that are designed to recognize every student's unique learning needs and preferences.

These resources can be adapted and scaled to meet programmatic goals in a variety of instructional settings.

THE NROC PROJECT

WHAT WE OFFER

NROC COURSES

NROC MATH
- Algebra 1
- Developmental Math

NROC ENGLISH
- Developmental English

WEB-BASED TOOLS

EdReady — a readiness system (to personalize a learner's study path)

Hippo Campus — a curated repository of learning objects

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

...

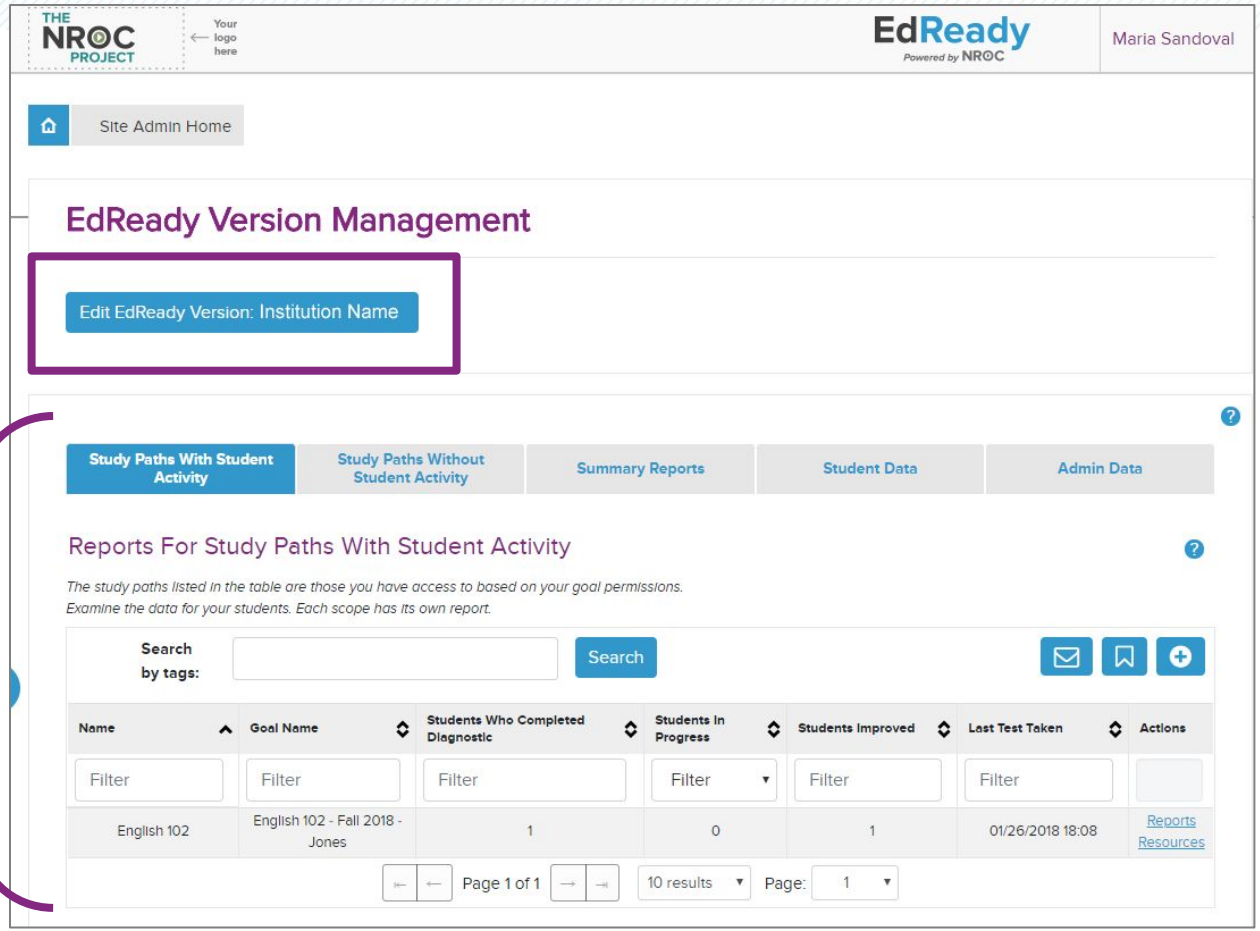
or can be accessed through our web-based tools

EdReady Administration

EDREADY ADMINISTRATION: NAVIGATION BASICS

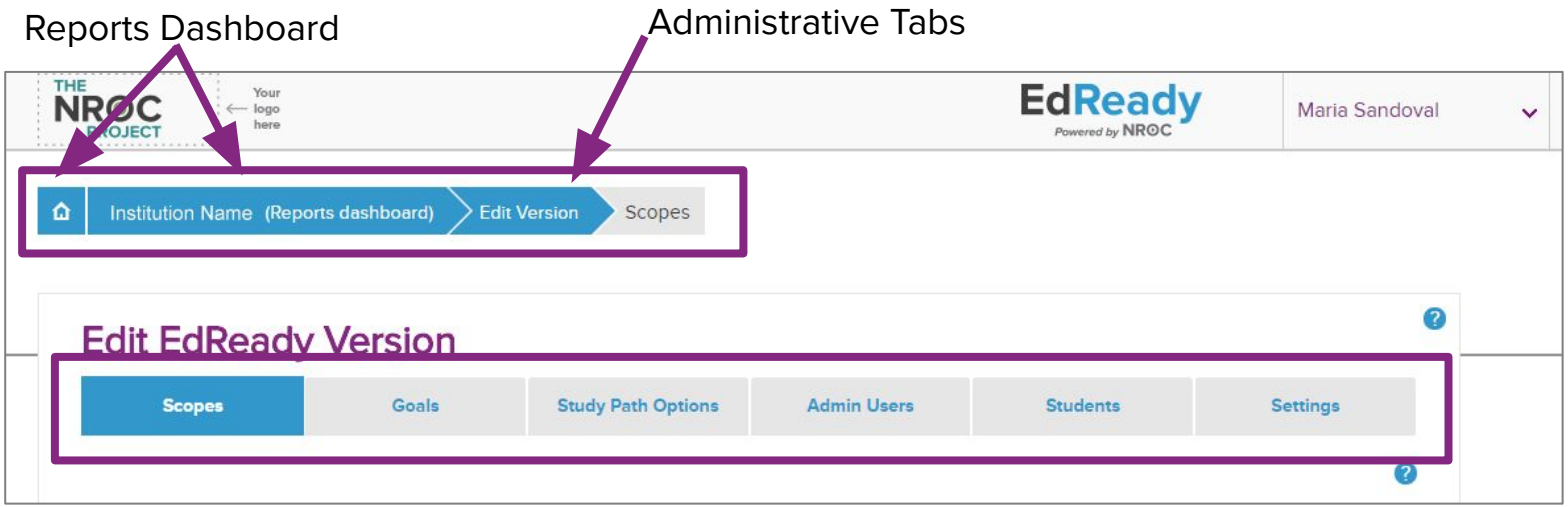
Administrative Pages

Reports



EDREADY ADMINISTRATION: NAVIGATION BASICS

Breadcrumbs

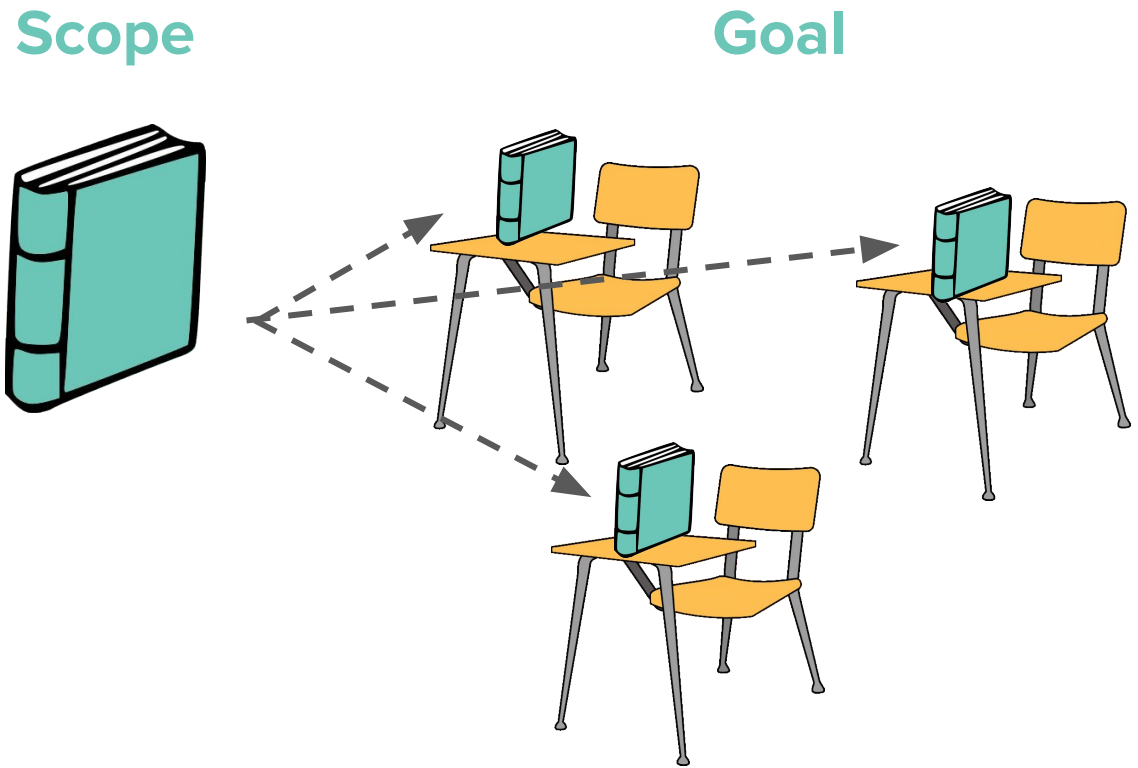


Administrative Tabs

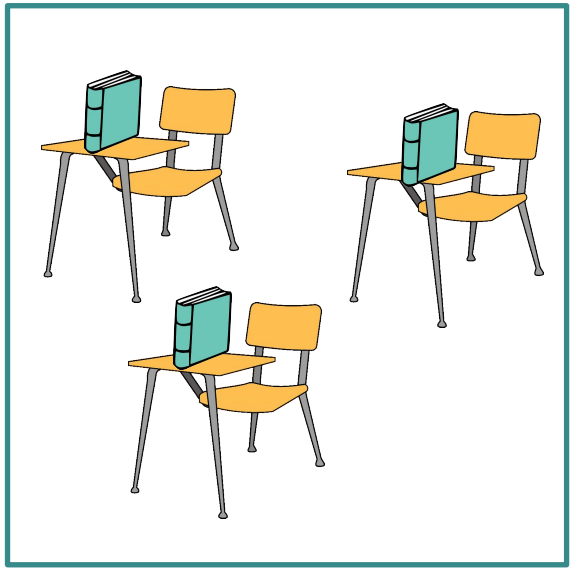
Depending on your permissions,
you may not see all of these options

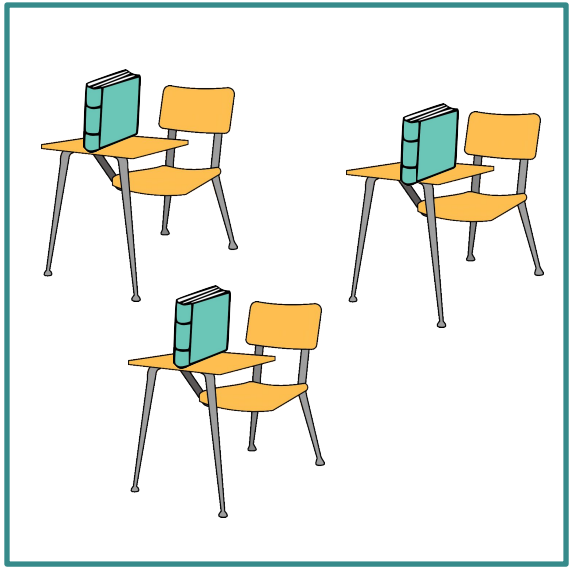
Scopes & Goals

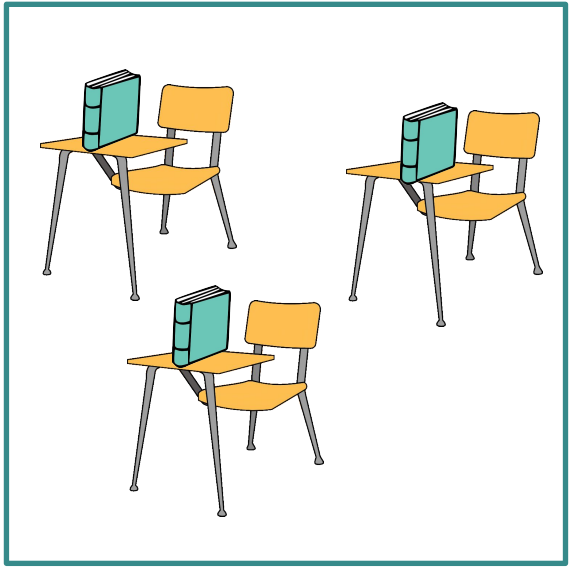
THE RELATIONSHIP BETWEEN SCOPES & GOALS



THE RELATIONSHIP BETWEEN SCOPES & GOALS







Scopes

SCOPES

Scopes form the basis of students' study paths:

Scope of Expectations

Identifies the concepts your students need to know

Target Score

Identifies the score your students need to earn
On a scale of 0-100, represents the percentage of material you want them to master

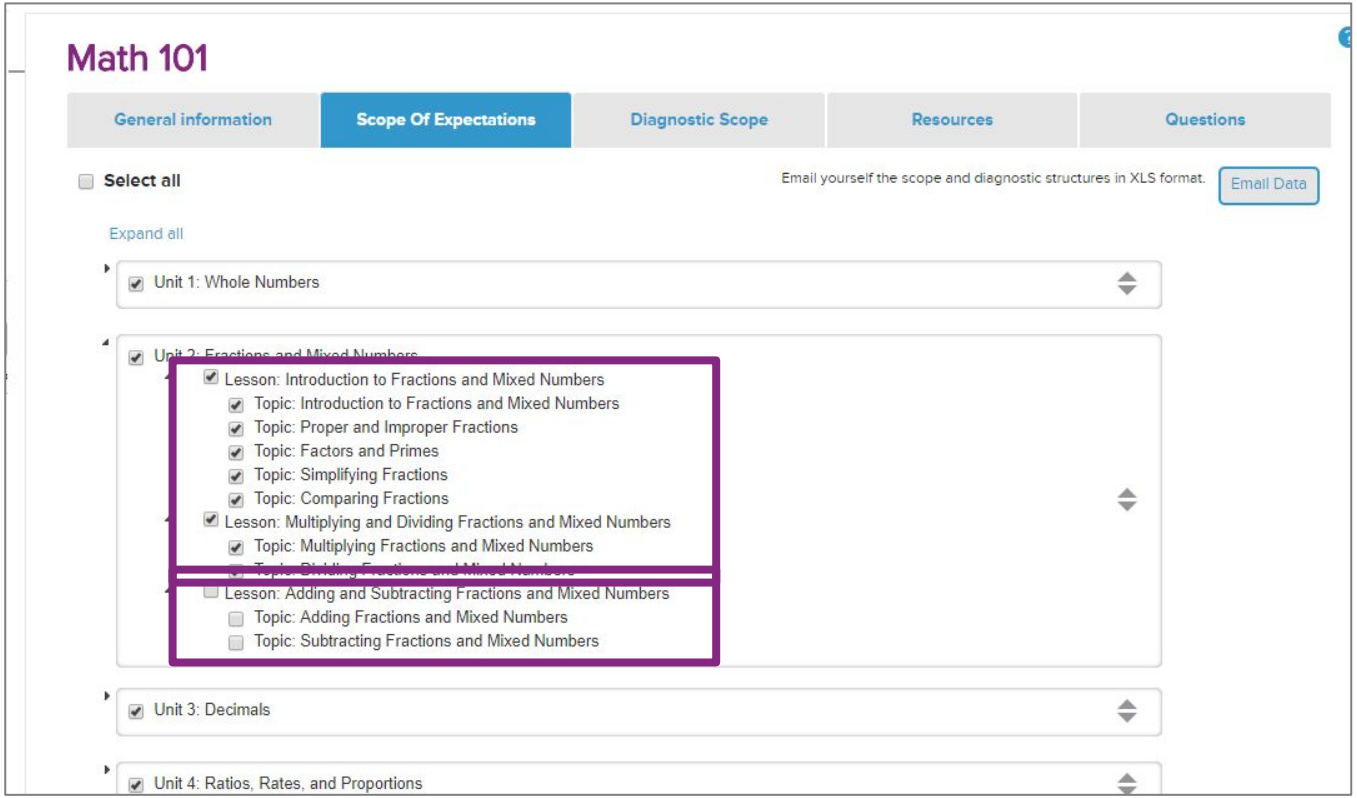
Resources

Identifies the study resources that are available for your students

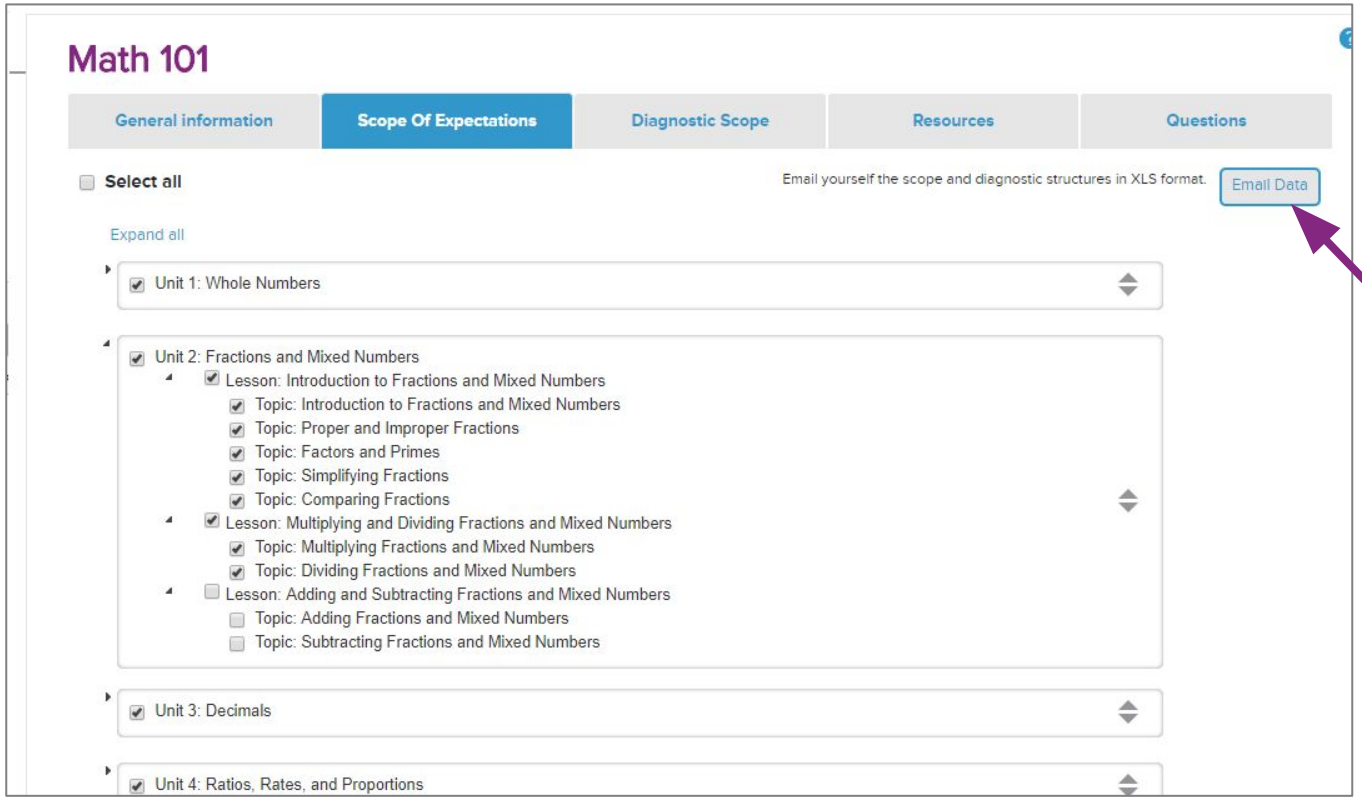
Initial Diagnostic

Identifies which Scope of Expectation concepts will be included on the diagnostic
NOTE: this does not have to be edited - most members use our recommended settings

SCOPES: SCOPE OF EXPECTATIONS



SCOPES: SCOPE OF EXPECTATIONS



Export Scope of Expectation settings to an Excel file for offline sharing

SCOPES: BASELINE SCOPES (DISCIPLINES)

NROC Developmental Math

NROC DEVELOPMENTAL MATH — TABLE OF CONTENTS

ARITHMETIC MODULES

Unit 1: Whole Numbers
Introduction to Whole Numbers
Place Value and Names for Whole Numbers
Rounding Whole Numbers
Comparing Whole Numbers
Adding and Subtracting Whole Numbers
Adding Whole Numbers and Applications
Subtracting Whole Numbers and Applications
Estimation
Multiplying and Dividing Whole Numbers
Multiplying Whole Numbers and Applications
Dividing Whole Numbers and Applications
Properties of Whole Numbers
Properties and Laws of Whole Numbers
The Distributive Property
Exponents, Square Roots, and the Order of Operations
Understanding Exponents and Square Roots
Order of Operations

Unit 2: Fractions and Mixed Numbers
Introduction to Fractions and Mixed Numbers
Introduction to Fractions and Mixed Numbers
Proper and Improper Fractions
Factors and Primes
Simplifying Fractions
Comparing Fractions
Multiplying and Dividing Fractions and Mixed Numbers
Multiplying Fractions and Mixed Numbers
Dividing Fractions and Mixed Numbers
Adding and Subtracting Fractions and Mixed Numbers
Adding Fractions and Mixed Numbers
Subtracting Fractions and Mixed Numbers

Unit 3: Decimals
Introduction to Decimals
Decimals and Fractions
Ordering and Rounding Decimals
Decimal Operations
Adding and Subtracting Decimals
Multiplying and Dividing Decimals
Estimation with Decimals

Unit 4: Ratios, Rates and Proportions
Ratio and Rates
Simplifying Ratios and Rates
Proportions
Understanding Proportions

Unit 5: Percents
Introduction to Percents
Convert Percents, Decimals, and Fractions
Solving Percent Problems
Solve Percent Problems

Unit 6: Measurement
U.S. Customary Units of Measurement
Length
Weight
Capacity
Metric Units of Measurement
The Metric System
Converting within the Metric System
Using Metric Conversions to Solve Problems
Temperature
Temperature Scales

BEGINNING ALGEBRA MODULES

Unit 9: Real Numbers
Introduction to Real Numbers
Variables and Expressions
Integers
Rational Real Numbers
Operations with Real Numbers
Adding Integers
Adding Real Numbers
Subtracting Real Numbers
Multiplying and Dividing Real Numbers
Properties of Real Numbers
Associative, Commutative, and Distributive Properties
Simplifying Expressions
Order of Operations

Unit 10: Solving Equations and Inequalities
Solving Equations
Solving One-Step Equations Using Properties of Equality
Solving Multi-Step Equations
Special Cases and Applications Formulas
Solving Inequalities
Solving One-Step Inequalities
Multi-Step Inequalities
Compound Inequalities and Absolute Value
Compound Inequalities
Equations and Inequalities and Absolute Value

Unit 11: Exponents and Polynomials
Integer Exponents
Exponential Notation
Simplify by Using the Product, Quotient, and Power Rules
Products and Quotients Raised to Powers
Scientific Notation
Polynomials with Single Variables
Introduction to Single Variable Polynomials
Adding and Subtracting Polynomials
Multiplying Polynomials
Multiplying Special Cases
Dividing by a Monomial
Dividing by Binomials and Polynomials
Polynomials with Several Variables
Simplifying and Evaluating Polynomials with More than One Term
Operations with Polynomials

Unit 12: Factoring
Introduction to Factoring
Greatest Common Factor
Factoring Polynomials
Factoring Trinomials
Factoring: Special Cases
Special Cases: Cubes
Solving Quadratic Equations
Solve Quadratic Equations by Factoring
Unit 13: Graphing
Graphs and Applications
The Coordinate Plane
Graphing Linear Equations
Slope and Writing the Equation of a Line
Finding the Slope of a Line
Writing the Equation of a Line
Parallel and Perpendicular Lines
Graphing Linear Inequalities
Unit 14: Systems of Equations and Inequalities
Graphing Systems of Equations and Inequalities
Graphing Systems of Linear Equations
Graphing Systems of Inequalities
Algebraic Methods to Solve Systems of Equations
The Substitution Method
The Elimination Method
Systems of Equations in Three or More Variables
Solving Systems of Three Variables

INTERMEDIATE ALGEBRA MODULES

Unit 15: Rational Expressions
Operations with Rational Expressions
Introduction to Rational Expressions
Multiplying and Dividing Rational Expressions
Adding and Subtracting Rational Expressions
Complex Rational Expressions
Rational Equations
Solving Rational Equations and Applications
Formulas and Variation
Rational Formulas and Variation

Unit 16: Radical Expressions and Quadratic Equations
Introduction to Roots and Rational Exponents
Roots
Squares, Cubes, and Beyond
Rational Exponents
Operations with Radicals
Multiplying and Dividing Radical Expressions
Adding and Subtracting Radicals
Multiplication of Multiple Term Radicals
Rationalizing Denominators
Radical Equations
Solving Radical Equations
Complex Numbers
Complex Numbers
Operations with Complex Numbers

Solving Quadratic Equations
Square Roots and Completing the Square
The Quadratic Formula

Unit 17: Functions
Introduction to Functions
Identifying Functions
Using Functions
Evaluating Functions
Graphing Types of Functions
Finding Domain and Range
Operations with Functions
Arithmetic Operations with Functions
Unit 18: Exponential and Logarithmic Functions
Exponential Functions
Introduction to Exponential Functions
Logarithmic Functions
Introduction to Logarithmic Functions
Properties of Logarithmic Functions
Natural Logarithms
Introduction to Natural and Common Logarithms
Logarithmic and Exponential Equations
Solving Exponential and Logarithmic Equations
Mathematical Modeling with Exponential and Logarithmic Functions

GEOMETRY, STATISTICS, & TRIGONOMETRY TOPICS

Unit 7: Geometry
Basic Geometric Concepts and Figures
Figures in 1 and 2 Dimensions
Properties of Angles
Triangles
The Pythagorean Theorem
Perimeter, Circumference, and Area
Quadrilaterals
Perimeter and Area
Circles
Volume of Geometric Solids
Solids
Unit 8: Concepts in Statistics
Statistical Graphs and Tables
Reading Data
Other Types of Graphs
Measures of Center
Measures of Center
Graphical Representations
Use and Misuse of Graphical Representations
Probability
Probability
Unit 19: Trigonometry
Introduction to Trigonometric Functions
Identifying the Six Trigonometric Functions
Right Triangle Trigonometry
Unit Circle Trigonometry
Graphing Trigonometric Functions
Degree and Radian Measure
Graphing the Sine and Cosine Function
Amplitude and Period

NROC Algebra 1

NROC ALGEBRA 1 — TABLE OF CONTENTS

SEMESTER 1

Unit 1: Algebra: A New Angle
Lesson 1: Algebra: What's It All About?
Algebra—Everyday and Extraordinary
Algebra—Why and When
Algebra—Approaching Problems

Unit 2: Solve Linear Equations
Lesson 2: Writing and Solving Equations
Solving Equations
Solving Multi-Step Equations
Writing Expressions and Equations
Solving for a Specific Variable
Lesson 3: Absolute Value Equations
Absolute Value
Solving Absolute Value Equations

Unit 3: Functions and Patterns
Lesson 4: Working with Patterns
Inductive Patterns
Representing Patterns

Lesson 5: Graphing Functions and Relations
Representing Functions and Relations
Domain and Range
Proportional Functions
Linear Functions
Non-Linear Functions

Unit 4: Analyze and Graph Linear Equations, Functions, and Relations
Lesson 6: Graphing Linear Equations
Rate of Change and Slope
Intercepts of Linear Equations
Graphing Equations in Slope-Intercept Form
Point-Slope Form and Standard Form of Linear Equations
Lesson 7: Parallel and Perpendicular Lines
Parallel Lines
Perpendicular Lines

Unit 5: Analyze, Solve, and Graph Linear Inequalities
Lesson 8: Writing, Solving, and Graphing Inequalities in One Variable
Writing, Solving, and Graphing Inequalities in One Variable
Solving and Graphing Absolute Value Inequalities
Writing and Using Inequalities
Lesson 9: Solving and Graphing Linear Inequalities in Two Variables
Solving and Graphing Linear Inequalities in Two Variables

Unit 6: Systems of Linear Equations and Inequalities
Lesson 10: Solving Systems of Linear Equations
Solving Systems by Graphing
Solving Systems by Substitution
Solving Systems by Elimination
Lesson 11: Applying Systems of Equations
Rate Problems
Mixture Problems
Lesson 12: Graphing Systems of Inequalities
Graphing Systems of Inequalities

SEMESTER 2

Unit 7: Radical Expressions
Lesson 13: Exponents
Rules of Exponents
Scientific Notation
Simplifying Expressions with Exponents
Lesson 14: The Pythagorean Theorem
Applications of the Pythagorean Theorem
Lesson 15: Radical Expressions and Equations
Simplifying Radical Expressions
Solving Radical Equations
Applying Radical Equations

Unit 8: Polynomials
Lesson 16: Operations on Monomials
Multiplying and Dividing Monomials
Lesson 17: Operations on Polynomials
Polynomials
Adding and Subtracting Polynomials
Multiplying Polynomials
Special Products of Polynomials

Unit 9: Factoring
Lesson 18: Factoring Monomials and Polynomials
Factoring and the Distributive Property
Factoring Trinomials by Grouping 1
Factoring Trinomials by Grouping 2
Lesson 19: Factoring Special Products of Polynomials
Factoring Special Products
Solving Quadratic Equations by Factoring

Unit 10: Quadratic Functions
Lesson 20: Quadratic Functions
Graphing Quadratic Functions
Solving Quadratic Equations by Completing the Square
Solving Quadratic Equations Using the Quadratic Formula
Lesson 21: Applying Quadratic Functions
Applications of Quadratic Functions
Systems of Non-Linear Equations

Unit 11: Rational Expressions and Equations
Lesson 22: Rational Expressions
Simplifying Rational Expressions
Multiplying and Dividing Rational Expressions
Adding and Subtracting Rational Expressions
Lesson 23: Rational Equations
Solving Rational Equations
Applying Rational Equations

Unit 12: Extensions and Applications
Lesson 24: Logical Reasoning and Number Sets
Number Sets
Understanding Logic Statements
Inductive Reasoning
Deductive Reasoning
Lesson 25: Probability
Events and Outcomes (Counting)
Permutations and Combinations
Probability of Independent Events
Probability of Compound Events

NROC Developmental English

NROC DEVELOPMENTAL ENGLISH — TABLE OF CONTENTS

Unit 1: Introduction to College Reading and Writing
Reading Selection:
"The Penny Debate," by Brad Andrews *(commissioned)*
Writing Assignment:
Write a one-paragraph response that reflects a personal opinion of "The Penny Debate."

Unit 2: Identifying Main Ideas
Reading Selection:
"Rice for Thanksgiving," by Jocelyn Fong *(permissioned)*
Writing Assignment:
Write a summary-response to "Rice for Thanksgiving."

Unit 3: Discovering Implied Meaning
Reading Selection:
"The Fourth of July," by Audre Lorde *(permissioned)*
Writing Assignment:
Write a multi-paragraph narrative essay about "The Moment that Changed Everything."

Unit 4: Interpreting Bias
Reading Selection:
"Social Media: Friend or Foe?" by Kara Woodridge *(commissioned)*
Writing Assignment:
Write a multi-paragraph essay that takes a side to Kara Woodridge's blog article, "Social Media: Friend or Foe?" Support your belief with varied personal examples.

Unit 5: Analysis through Definition
Reading Selection:
Textbook Title: *Sociology - A Global Perspective*, Chapter 5: "Global Economies," Source: Excerpts from "Gross National Happiness in Bhutan: A Living Example of an Alternative Approach to Progress," by Alejandro Adler Braun *(permissioned & adapted)*
Writing Assignment:
Write a multi-paragraph essay providing (defining) your personal criteria for happiness and exploring whether or not you have achieved happiness based on these criteria.

Unit 6: Learning Across Disciplines
Reading Selections:
1. "The Nature of Things: Biomimicry" (Science Textbook)
2. "Don't Sink my Battleship!" (History Textbook)
3. "Razzle Dazzle Fashion 'Stars'—in Stripes" (Pop-Culture)
(all 3 commissioned)

Writing Assignment:
Discuss the three reading selections on the use of camouflage in a multi-paragraph analysis essay choosing **three** of the six discipline-specific features to incorporate in your analysis:
- writer's purpose
- writing tone and style
- reader's goal
- discipline-specific language
- discipline-specific features
- organization

Unit 7: Exploring Comparative Elements
Reading Selection:
"A Whole New Ballgame," by Brendan O'Shaughnessy *(permissioned)*
Writing Assignment:
Write a multi-paragraph essay comparing and contrasting the best class you've taken with the worst class you've taken to show what you learned from the experiences. Include at least three examples of figurative language.

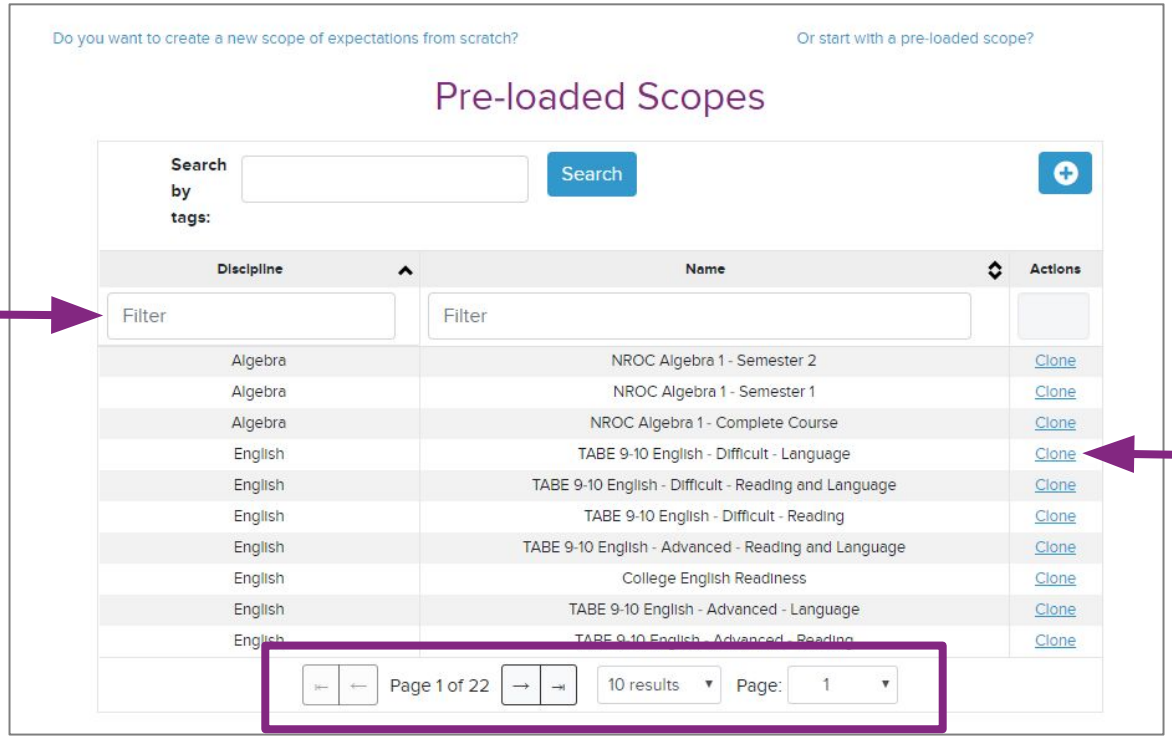
Unit 8: Informed Opinions through Causal Chains
Reading Selection:
"Global warming—this time it's personal," by Casey Kennedy *(commissioned)*
Writing Assignment:
Write a multi-paragraph essay identifying at least two of your personal or lifestyle choices, and explain the positive and/or negative effects they have on the environment.

Unit 9: Applied Critical Analysis
Reading Selections:
"Is Happiness the Beginning or the End?" by Jamie Anderson *(commissioned)*
"Your College Major May Not Be As Important As You Think," by Zac Bissonnette *(permissioned article originally appeared in a NY Times blog)*
Writing Assignment:
Choose one of the reading selections and write a multi-paragraph critical analysis identifying the author's thesis and purpose, briefly summarizing the selected reading, and evaluating the author's success, or lack of success, in supporting the thesis and satisfying his purpose for writing.

Unit 10: Using Sources in Critical Reading and Writing
Reading Selection:
"Do Violent Video Games Contribute to Youth Violence?" by Jennifer Jenkins *(commissioned)*
Writing Assignment:
Select a topic from the list provided and write a multi-page essay describing the argument, followed by a personal statement that is persuasive and supported by evidence from the provided sources. Personal or testimonial evidence may also be used as a defense for the argument, but should be secondary in nature.
Student Topics:
- Should performance-enhancing drugs (such as steroids) be accepted in sports?
- Does online dating create longer-lasting relationships than dating people you meet in typical face-to-face situations?
- Should the United States require mandatory national service in the form of a draft or required civil service?

SCOPES: PRE-LOADED SCOPES

Find a specific scope



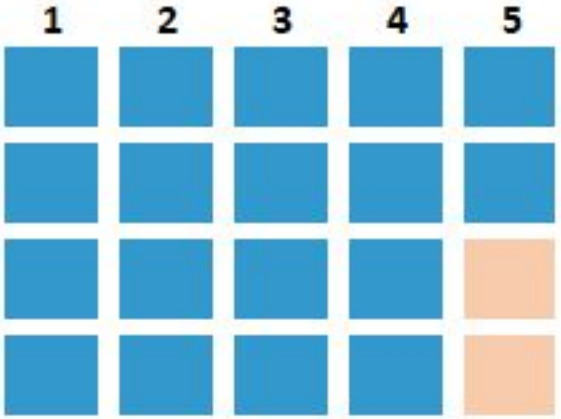
Clone into your EdReady site: can use as-is or make edits

NROCnetwork.org: List of Pre-Loaded Scopes; Details about concepts included in each

SCOPES: UNDERSTANDING SCORES

Target Score = 90

Students must master 90% of the material in study path (scope)

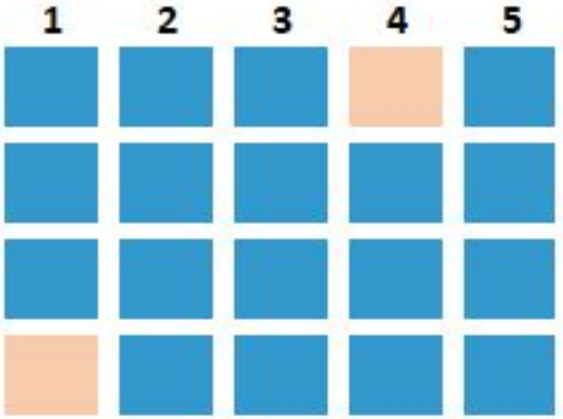


Will likely master the first 90%

SCOPES: UNDERSTANDING SCORES

Target Score = 90

Students must master 90% of the material in study path (scope)



Can master *any* 90%

SCOPES: STUDENT MASTERY STATUS

Target Score

Represents mastery progress across the entire study path

Mastery Status

Represents mastery of the concepts included in a specific Unit, Topic, or Learning Objective

Status

Untested: this material was not covered by the diagnostic

Not Ready: less than 50% of included concepts have been mastered

Needs Review: 50-99% of included concepts have been mastered

Doing Well: 100% of included concepts tested in ID mastered

Mastered: 100% of included concepts have been mastered

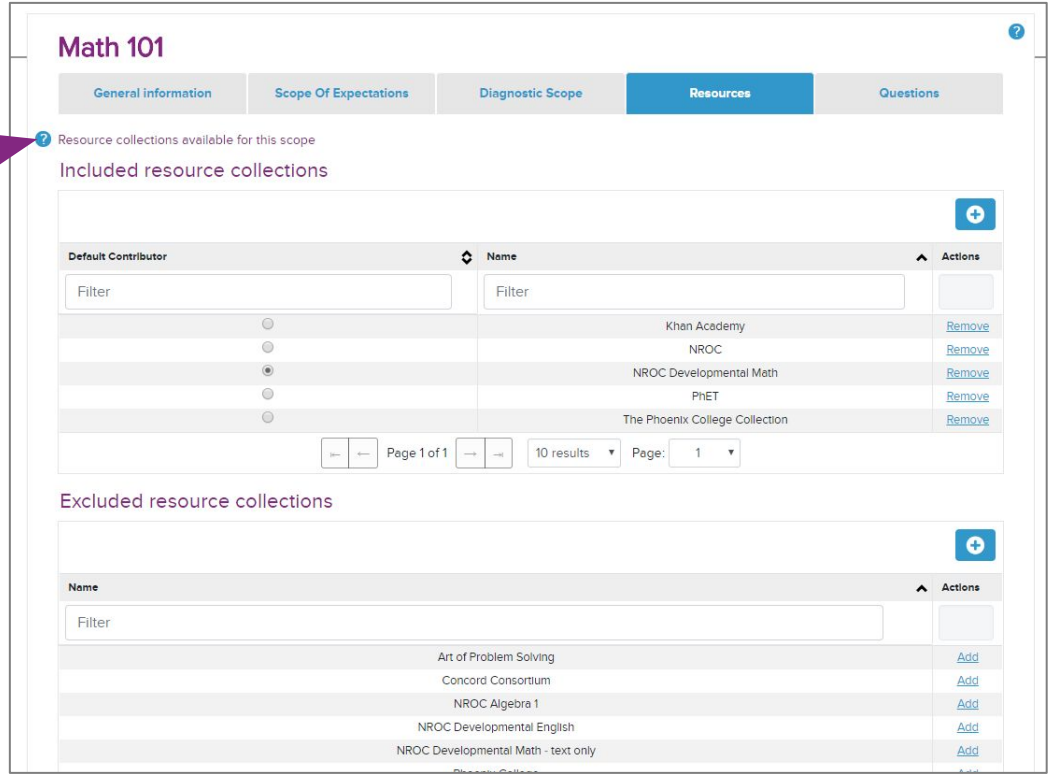
Display Options:

SCOPES: RESOURCES

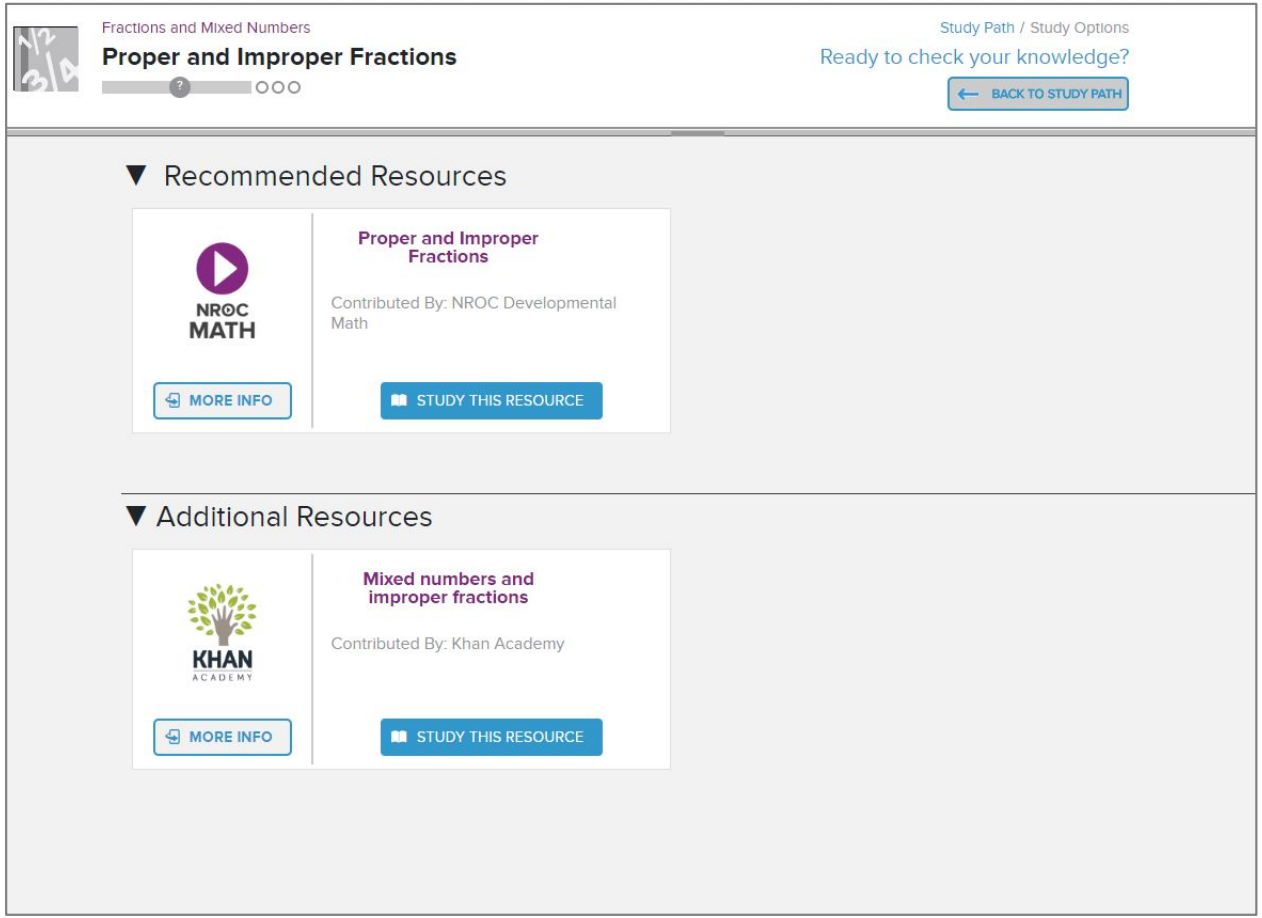
Select which study resources are available to students

Will only see items aligned to the selected Topic

Learn more about the collections



SCOPES: RESOURCES



SCOPES: SPLITTING SCOPES

Benefits of split scopes:

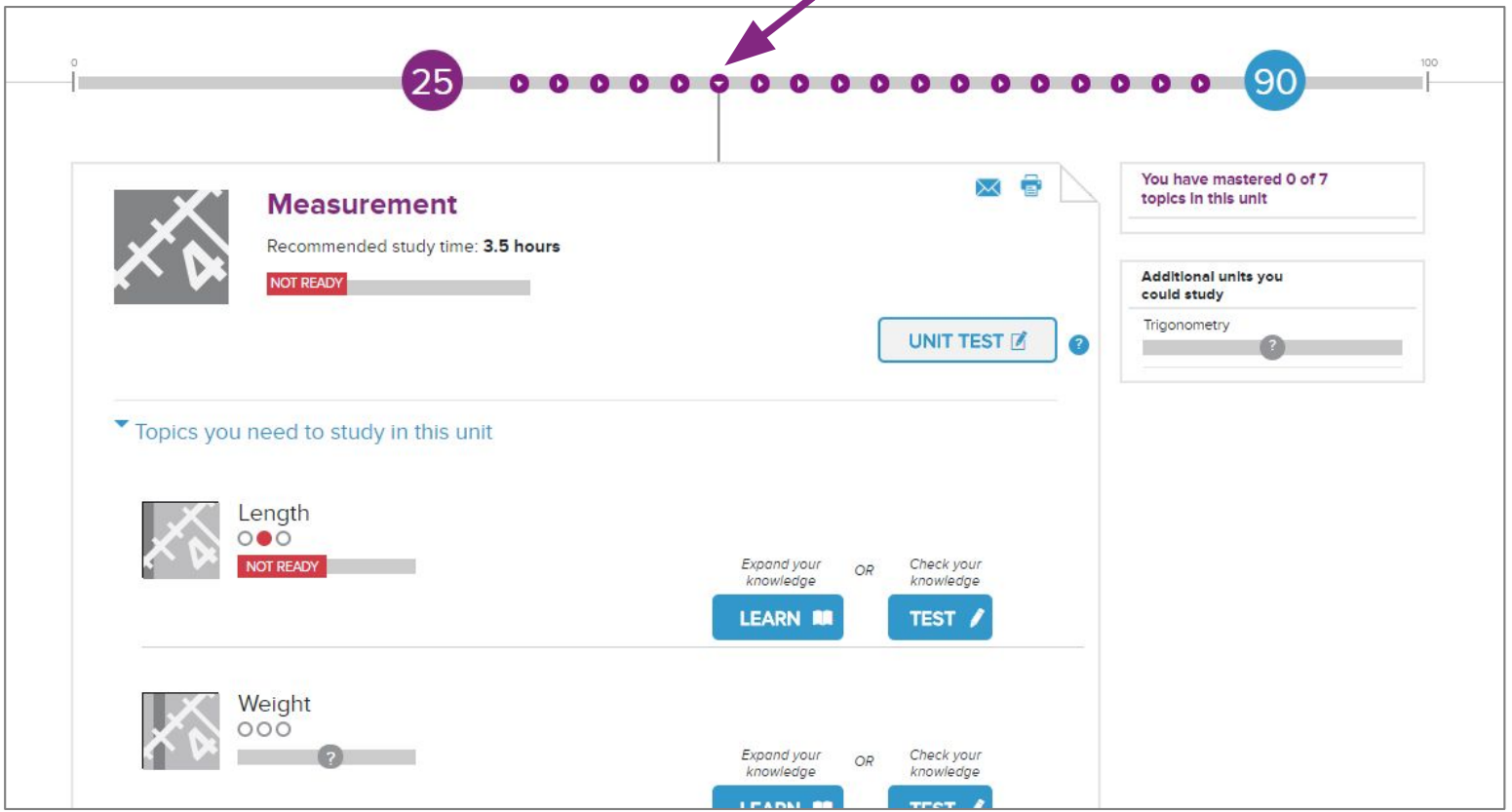
Control Student Pacing

Ensure students complete specific material before moving on

Reduce Material on Study Path

Can be less overwhelming for students with a lot of material to master
Less material = each concept mastered has greater impact on score

SCOPES: SPLITTING SCOPES



SCOPES: SPLITTING SCOPES

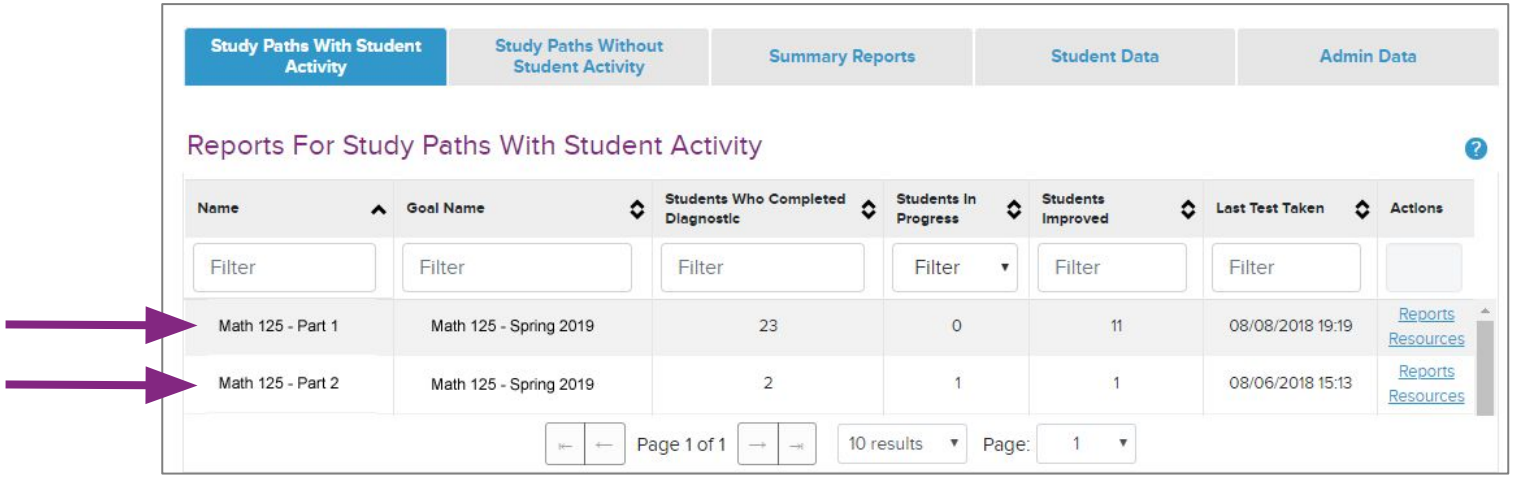
Considerations of split scopes:

Reporting Impact

Each scope (student study path) has separate on-screen reports

No Need for Multiple Goals

Can put multiple scopes in a single goal and now unlock manually for students



QUESTIONS?

Goals

GOALS: PURPOSE

Goals are the primary organizational element in EdReady and have two main purposes:

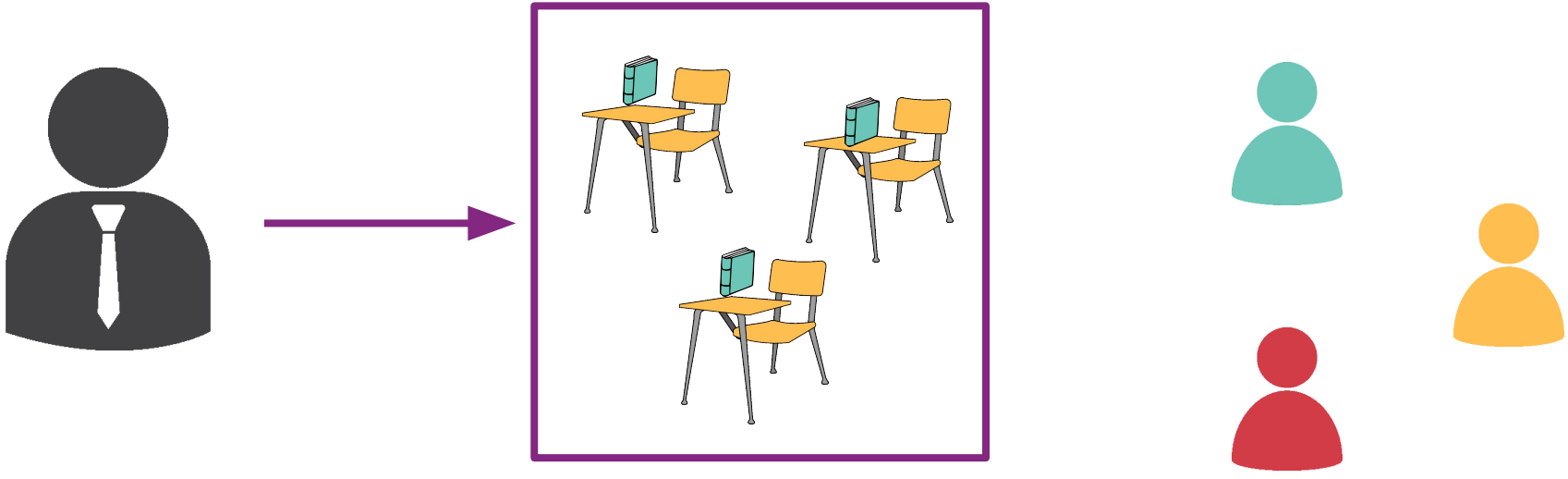
Group Students

Allows students to be categorized in the reports and grouped for assigning permission to see their data

Student Context

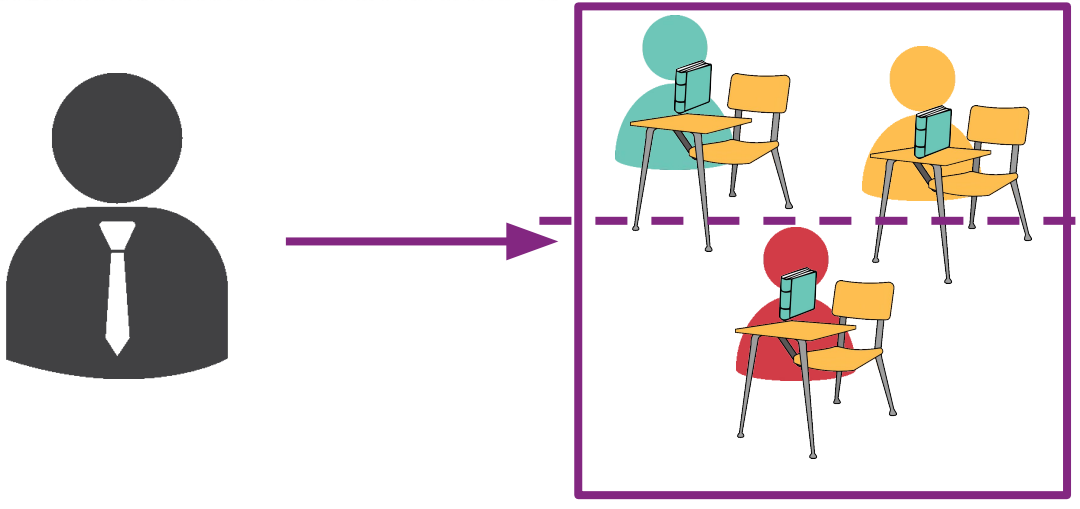
Gives the student details about why they're working on this study path (ex: their program/ class)

GOALS: GROUP STUDENTS



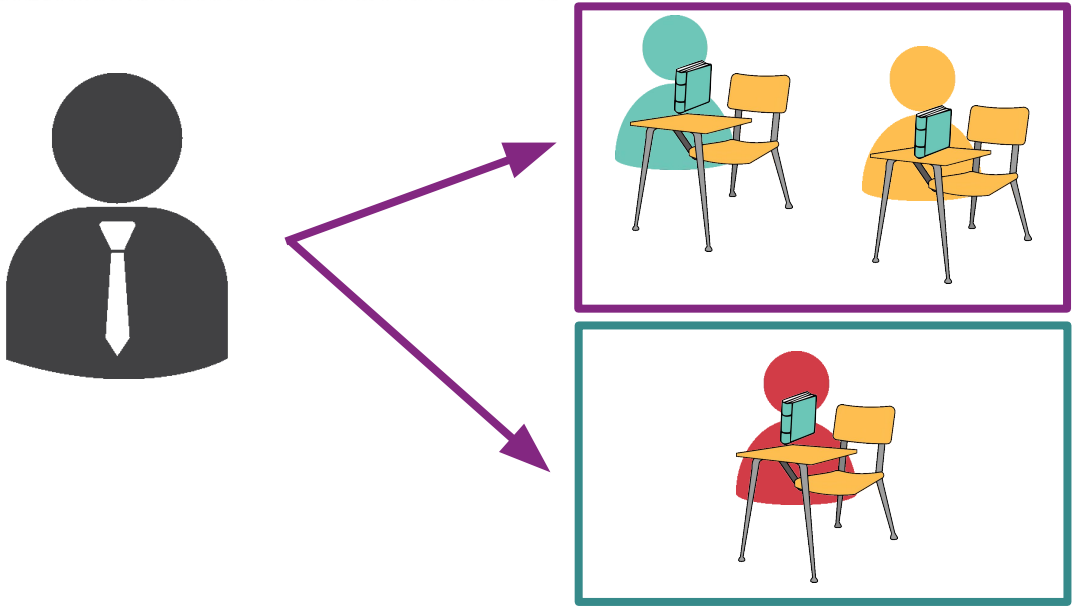
First Name	Last Name	Time Using EdReady	Scores: Initial Diagnostic	Most Recently Updated	Time Spent Studying	Target Score	Score Gain	Actions
Filter	Filter	Filter			Filter	Filter	Filter	
		00:08:42	40	43	00:05:09	90	3	Details
		00:22:17	49	69	00:00:00	90	20	Details
		00:58:50	65	91	00:00:00	**90**	**26**	Details

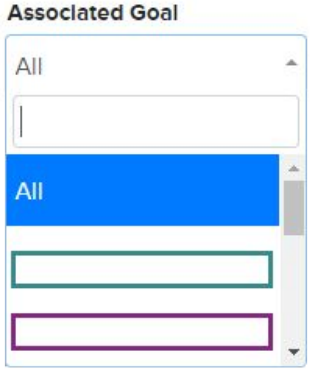
GOALS: GROUP STUDENTS



First Name	Last Name	Goal Name	Time Using EdReady	Scores: Initial Diagnostic	Most Recently Updated	Time Spent Studying	Target Score	Score Gain	Actions
Filter	Filter	Filter	Filter			Filter	Filter	Filter	
			00:08:42	40	43	00:05:09	90	3	Details
			00:22:17	49	69	00:00:00	90	20	Details
			00:58:50	65	91	00:00:00	**90**	**26**	Details

GOALS: GROUP STUDENTS





First Name	Last Name	Goal Name	Time Using EdReady	Scores: Initial Diagnostic / Most Recently Updated	Time Spent Studying	Target Score	Score Gain	Actions
Filter	Filter	Filter	Filter		Filter	Filter	Filter	
			00:08:42	40 — 43	00:05:09	90	3	Details
			00:22:17	49 — 69	00:00:00	90	20	Details
			00:58:50	65 — 91	00:00:00	90	26	Details

GOALS: KEY PROPERTIES

Name

Must be unique – identifies the class/ program using this goal
TIPS: make this as descriptive as possible, using a standard naming convention

Goal Key

The password students enter to join the goal
Case-sensitive, so we recommend all upper- or lowercase

Goal Image

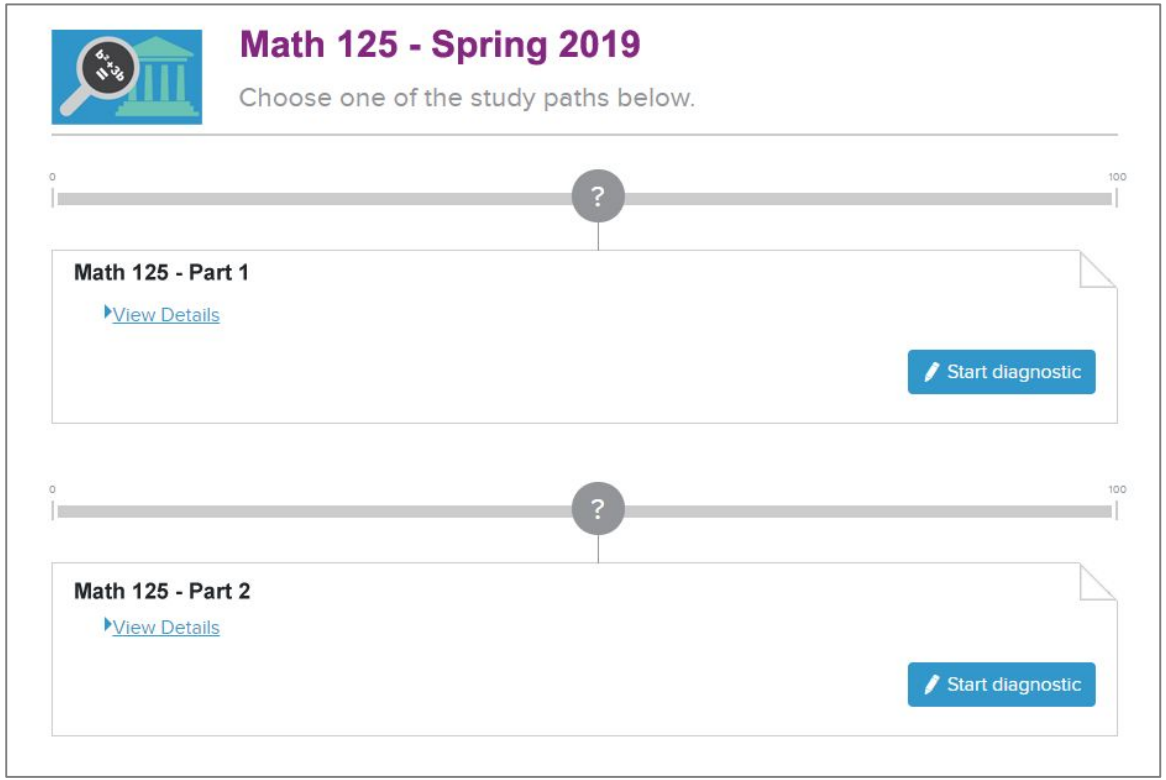
Optional, but further personalizes the student experience
TIP: you can use or edit our existing library of goal images
(available at: http://nroc.org/media/#edready under Style Guide tab)

Scope(s)

Indicates the scope(s) students working in this goal will have access to

GOALS: MULTIPLE SCOPES

Multiple scopes can be included



QUESTIONS?

EdReady Student Experience

THE SETUP: GOAL

Edit Goal: Math 101 - Fall 2019 - Ms Jones

General Information | Scopes | Goal Options

* = Required field

Active

Exclude from reports

Name *

Math 101 - Fall 2019 - Ms Jones

Instructions

Start in Part 1 and we'll move into Part 2 during the second part of t

Description *

This goal is to be used by students in Ms Jones' Fall 2019 classes of Math 101

Owner *

Janet Jones

Access Type

Private

Goal Type

EdReady

Goal key

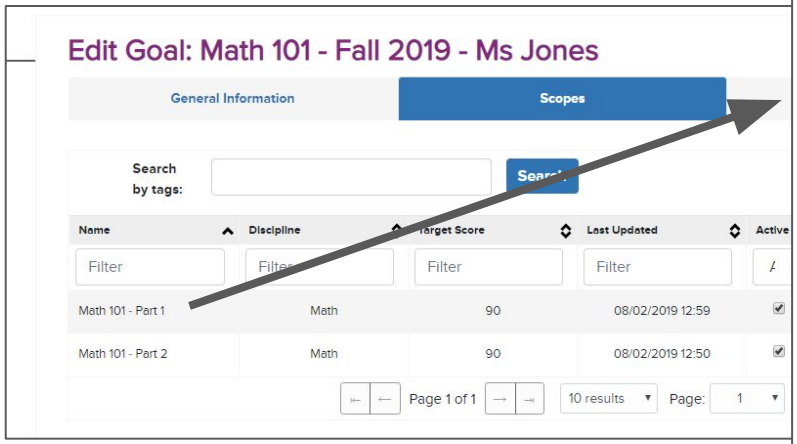
math101_jones

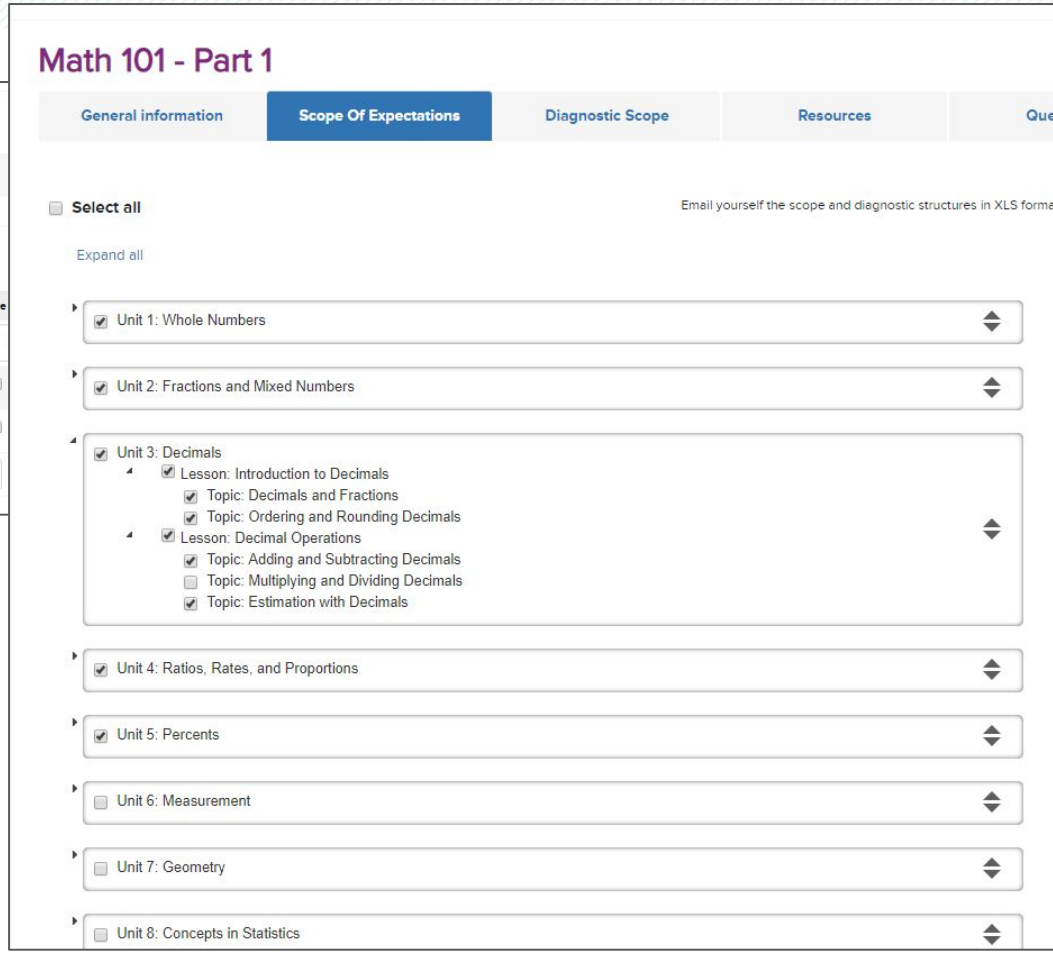
Tags

Update Goal

Change Goal Image

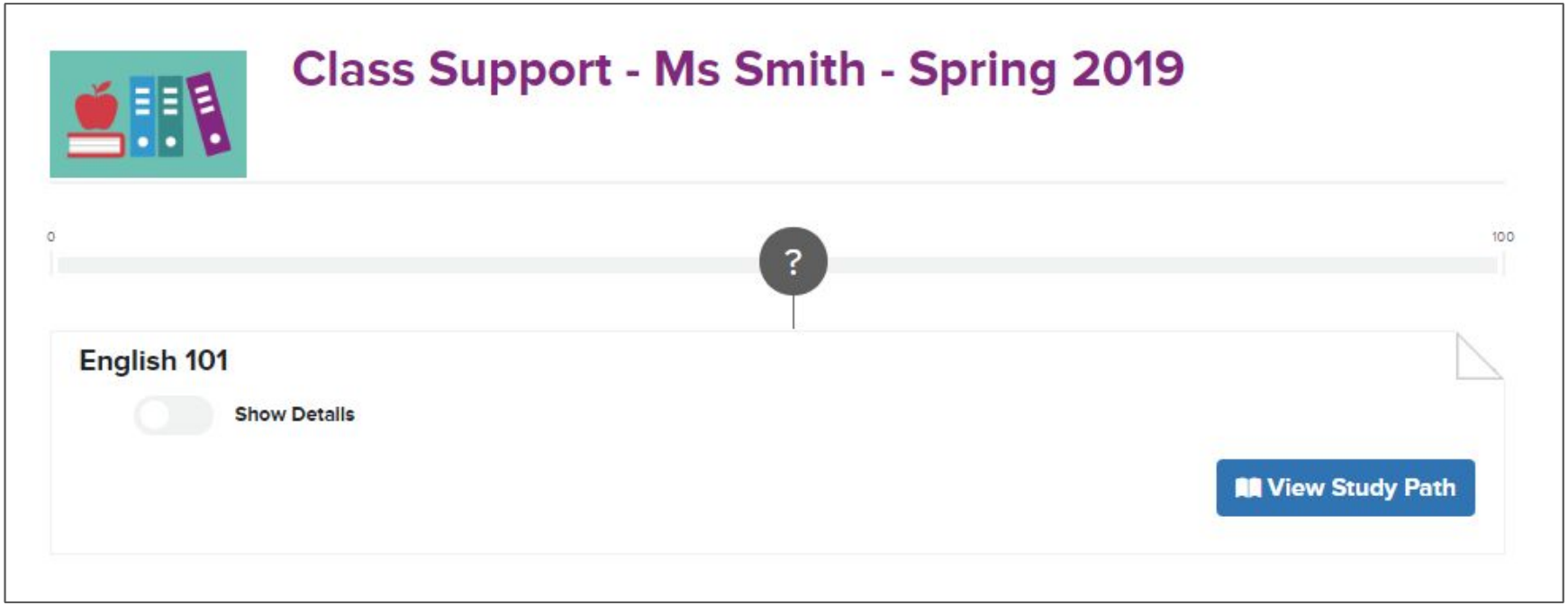
THE SETUP: SCOPES



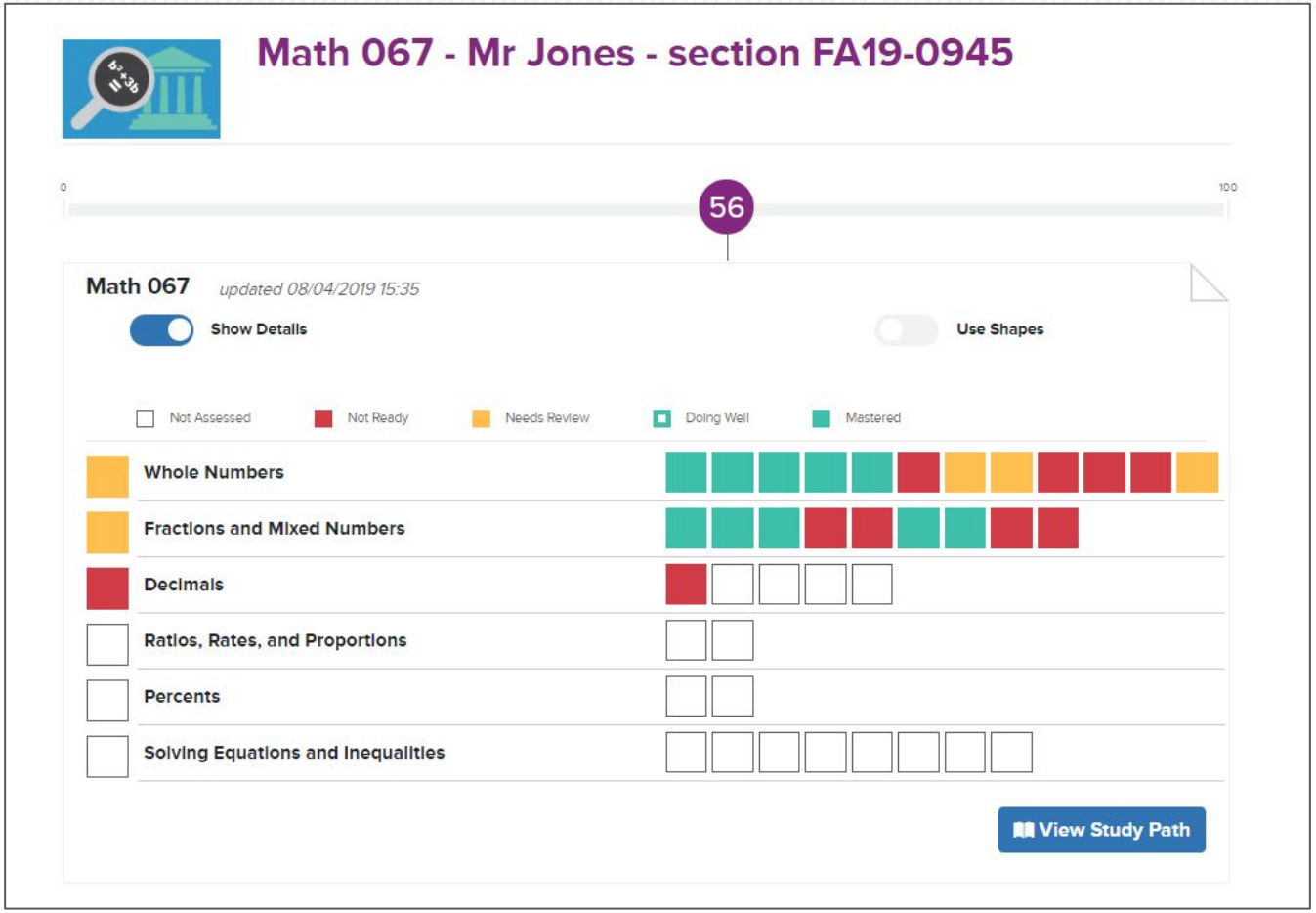


Customizing the Student Experience: Additional Options

SKIP OR CUSTOMIZE DIAGNOSTIC



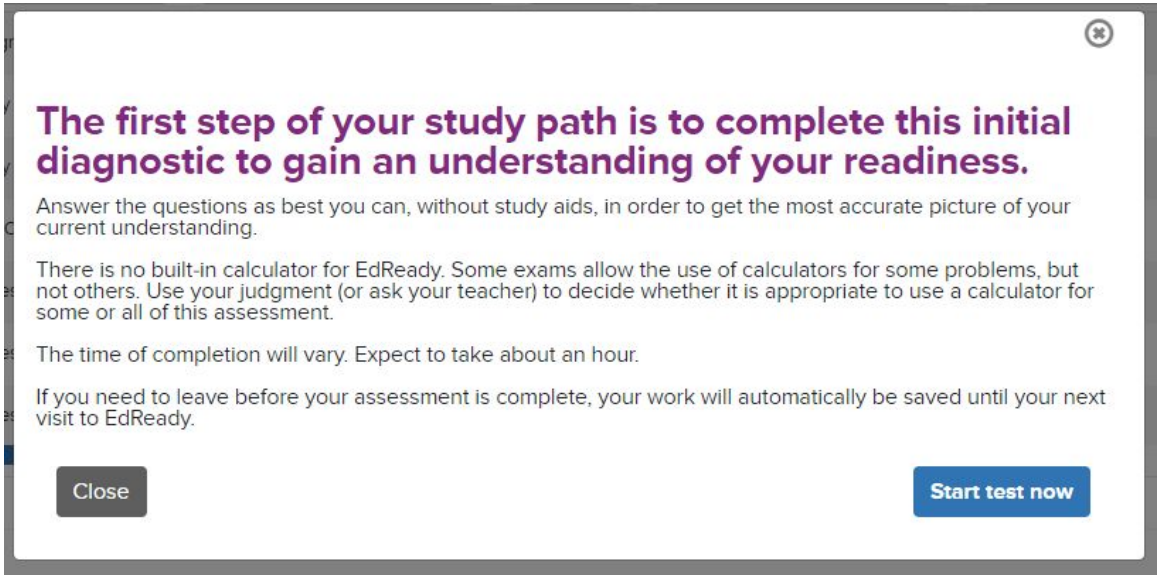
SKIP OR CUSTOMIZE DIAGNOSTIC



MESSAGING

Many of the default messages in EdReady can be customized, including:

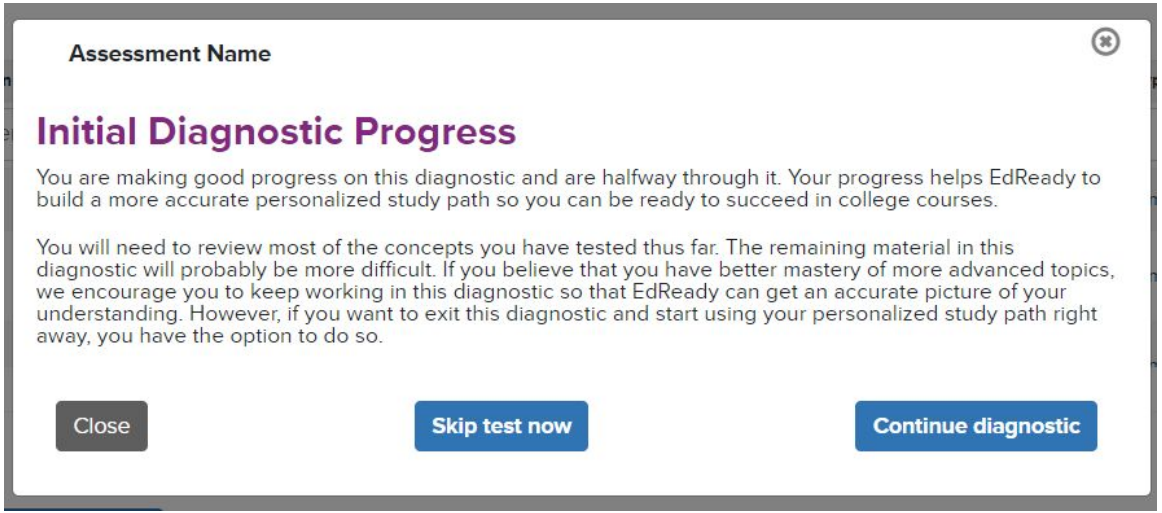
- **Test Intro**: Diagnostic, Unit Test, and Topic Test
- **Congrats page**: student hits Target Score
- **Study Path Intro**: shown when the student first visits their study path



MESSAGING

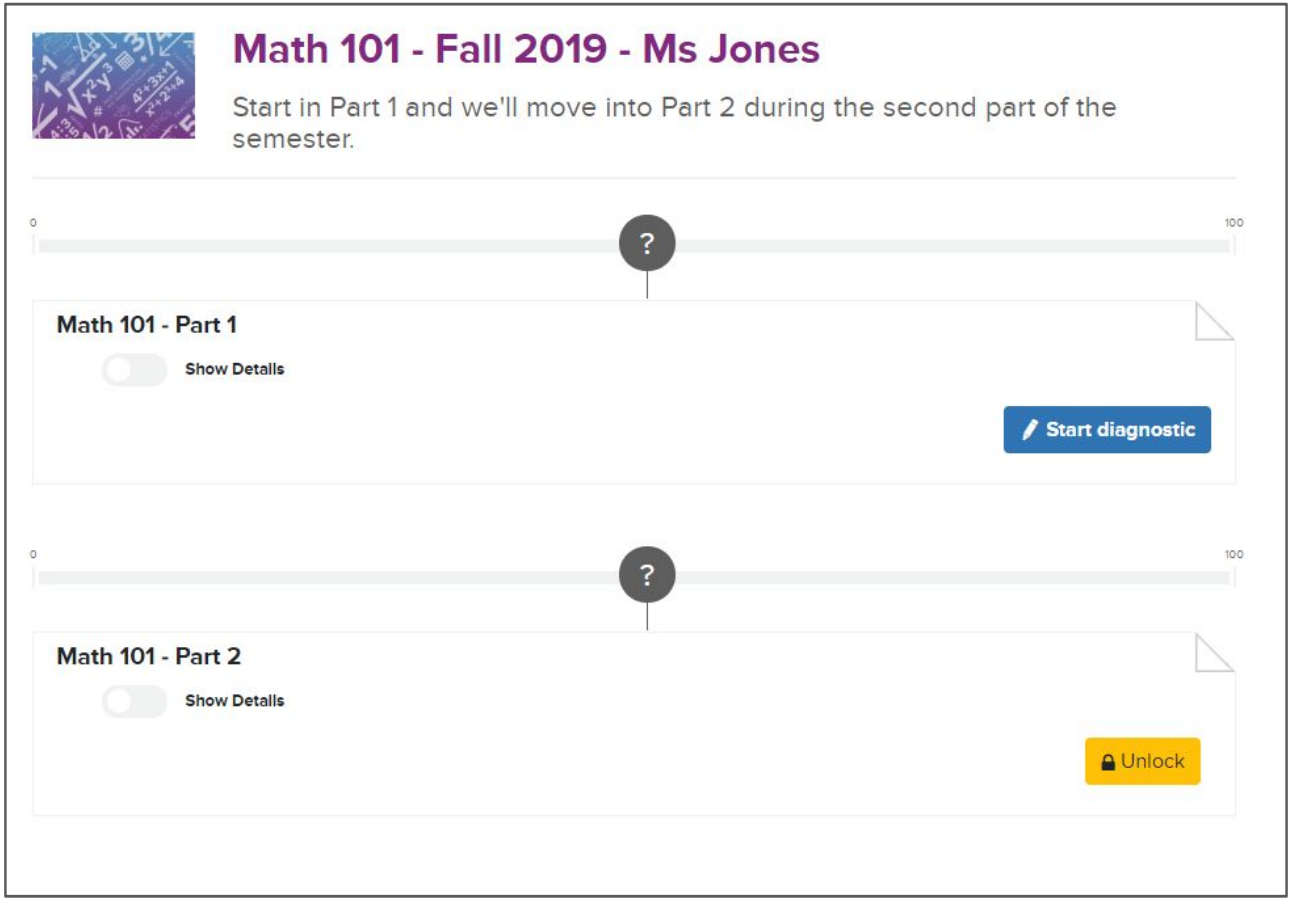
Can also add custom messaging:

- **During the Diagnostic**: diplayed at x% completion. Can display different messages to students based on current score & allow students that are struggling the option to skip the remainder of the test



- **After Diagnostic Completion:** can display different messages to students based on diagnostic score
- **Study Path Progress**: display encouragement or progress updates at different score thresholds

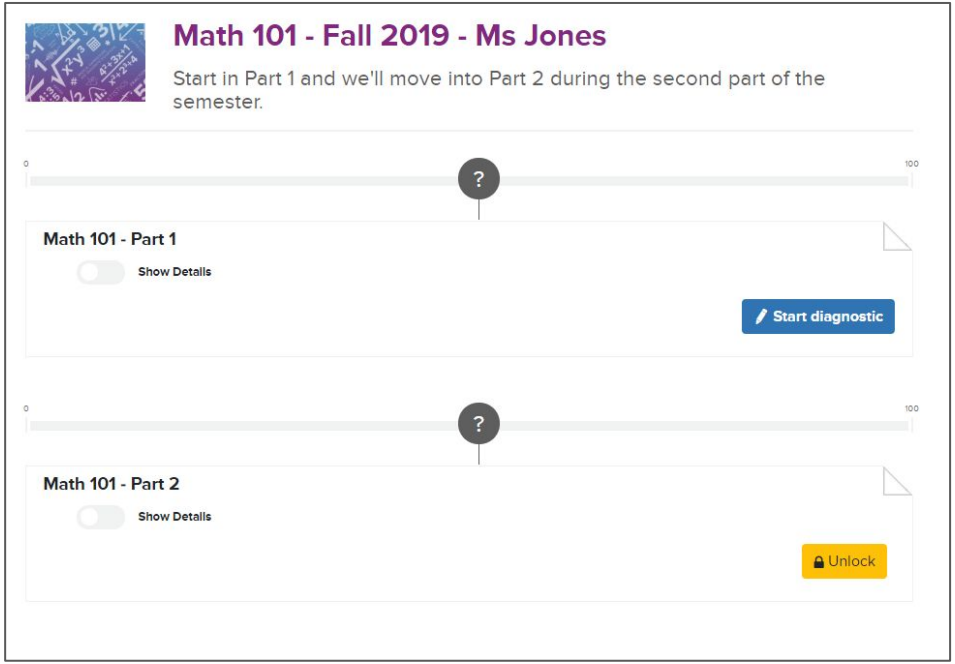
SEQUENCED SCOPES



SEQUENCED SCOPES

When a scope is locked, students can gain access by:

- Reaching target score of previous scope (optional - can be disabled)
- Entering the access code
- Instructor can unlock via their login



QUESTIONS?

EdReady Users

EDREADY USERS

Every EdReady user is a:

Student

or

Admin User

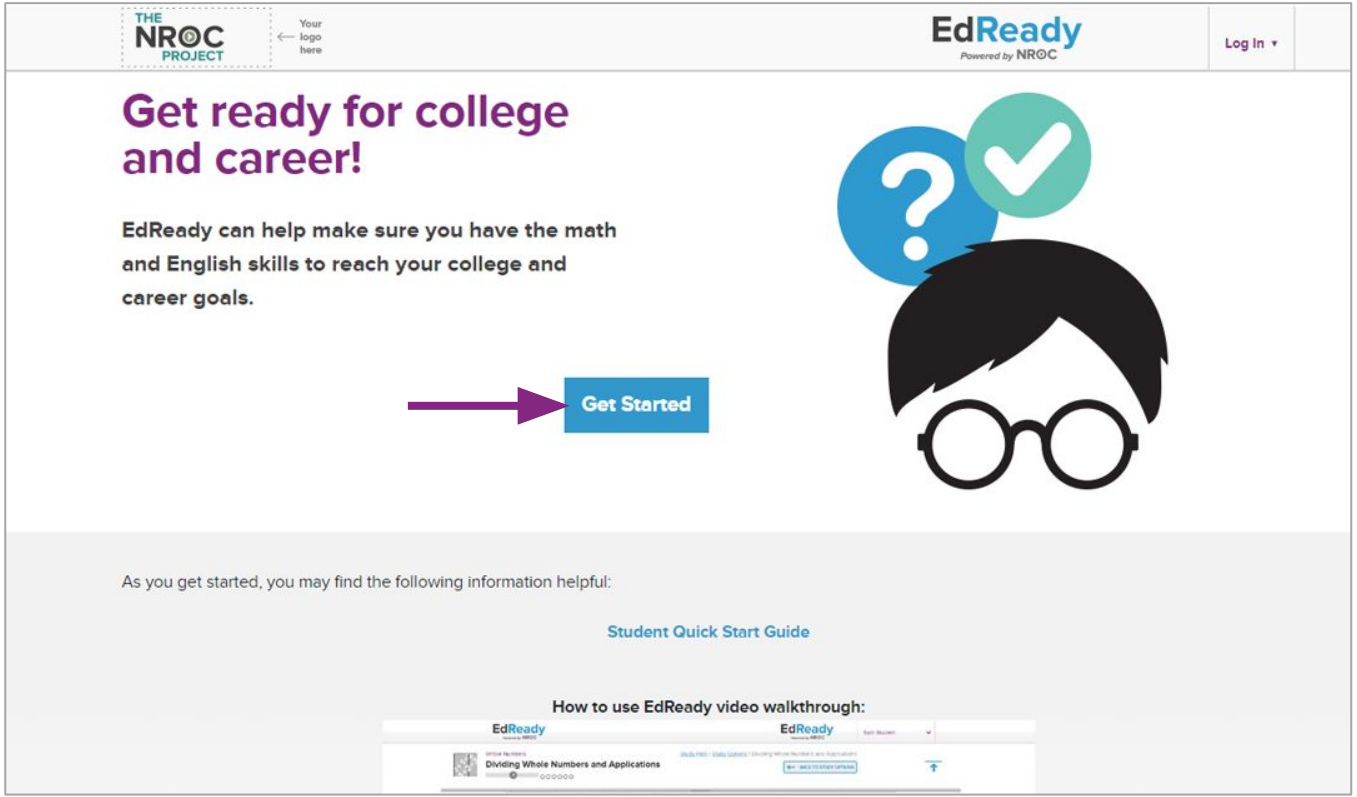
Even Teachers/ those who only use Reports

And uses the same URL

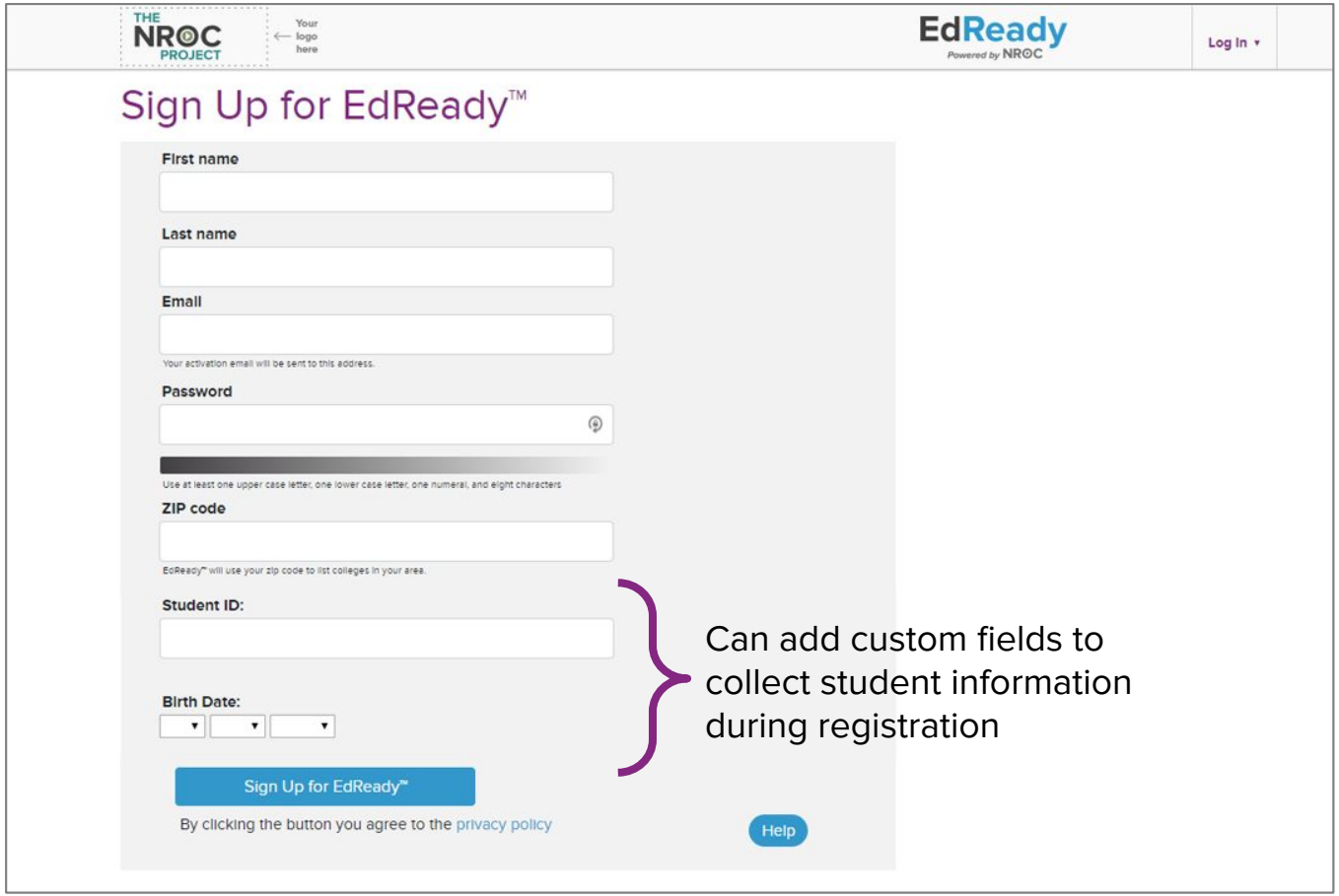
(ex: http://yourschool.edready.org)

EdReady Users: Students

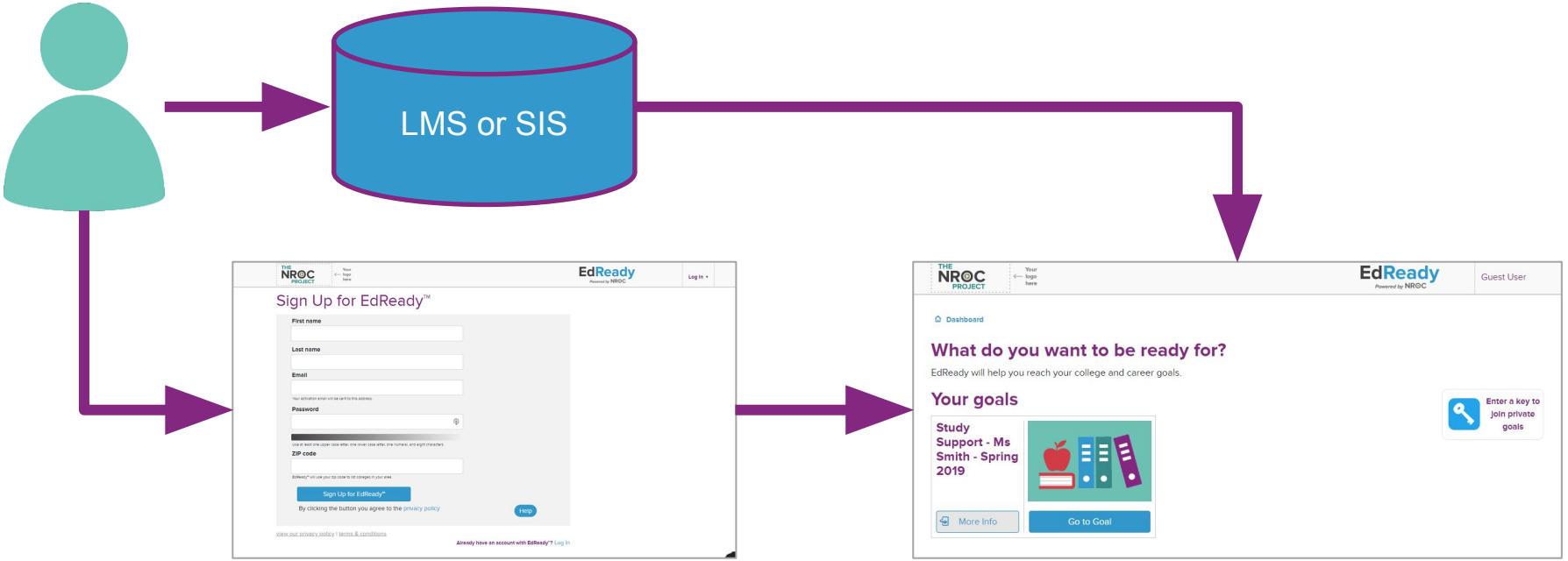
STUDENTS: SELF-REGISTRATION



STUDENTS: SELF-REGISTRATION



STUDENTS: SINGLE SIGN-ON INTEGRATION



Submit a support request for SSO assistance:
https://support.nrocnetwork.org/hc/en-us/requests/new?ticket_form_id=244758

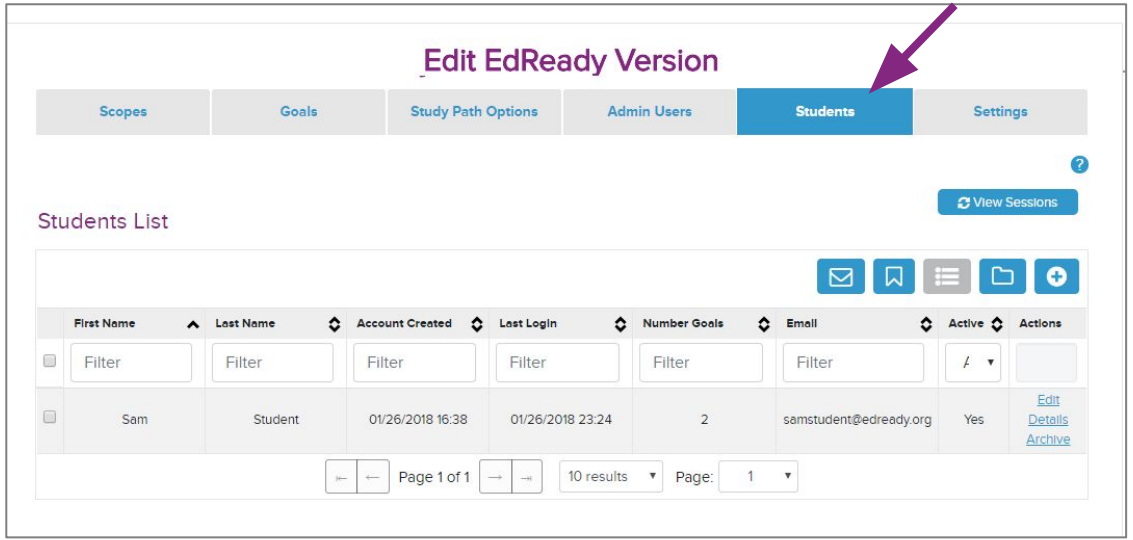
STUDENTS: ADMINISTRATOR VIEW

Administrators can:

- View student account details (ex: name, email address)
- Activate/ Deactivate accounts
- View and edit goal assignments
- View and edit any custom fields

Administrators cannot:

- Create student accounts
- Change student name or email address
- Emulate a specific student



EdReady Users:
Admin Users

ADMIN USERS

Account Creation

Must be created by another Admin (no self-registration)
Will automatically receive an email with login details (URL, username, initial password)

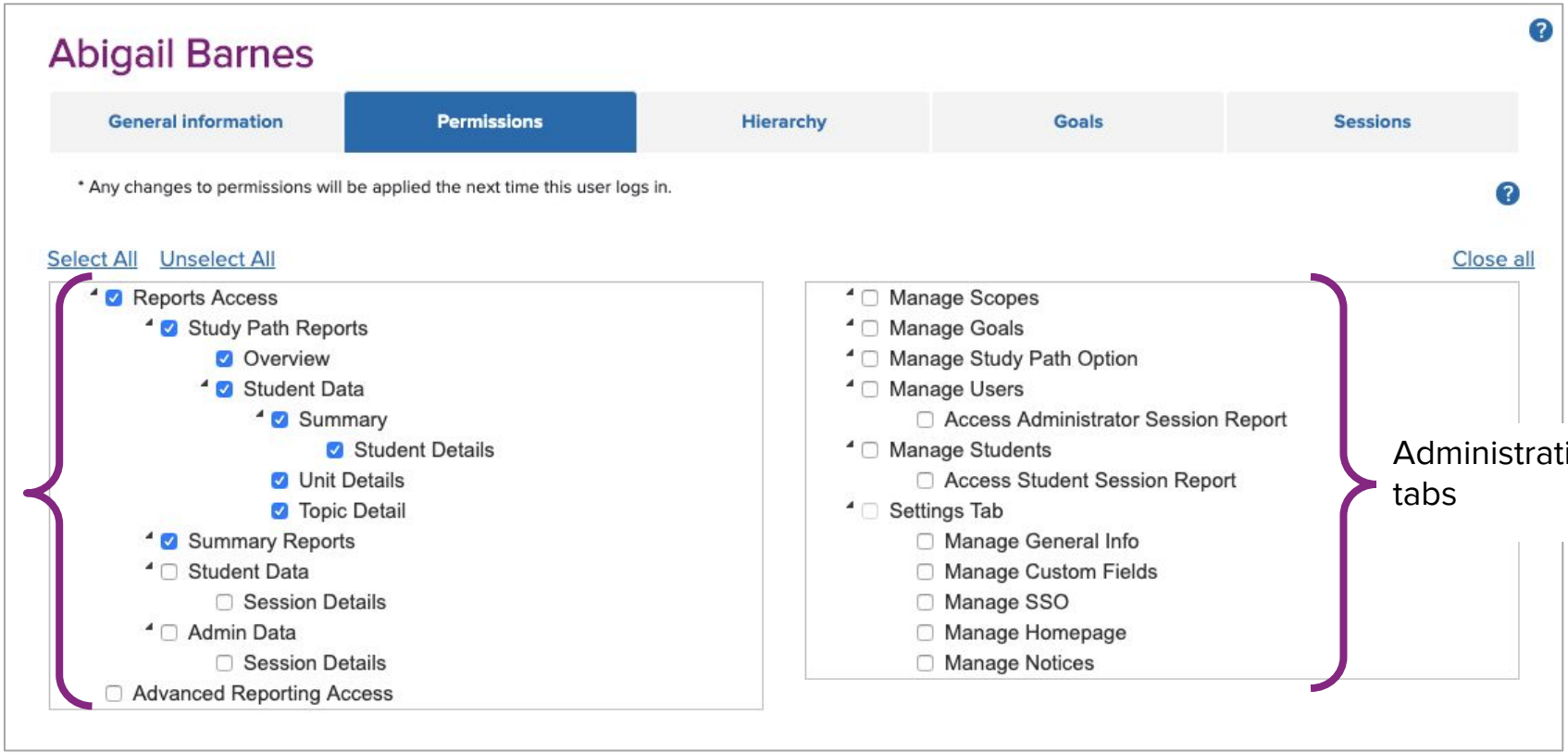
Permissions

Identifies the pages/ parts of EdReady the user can access (reporting & administrative)

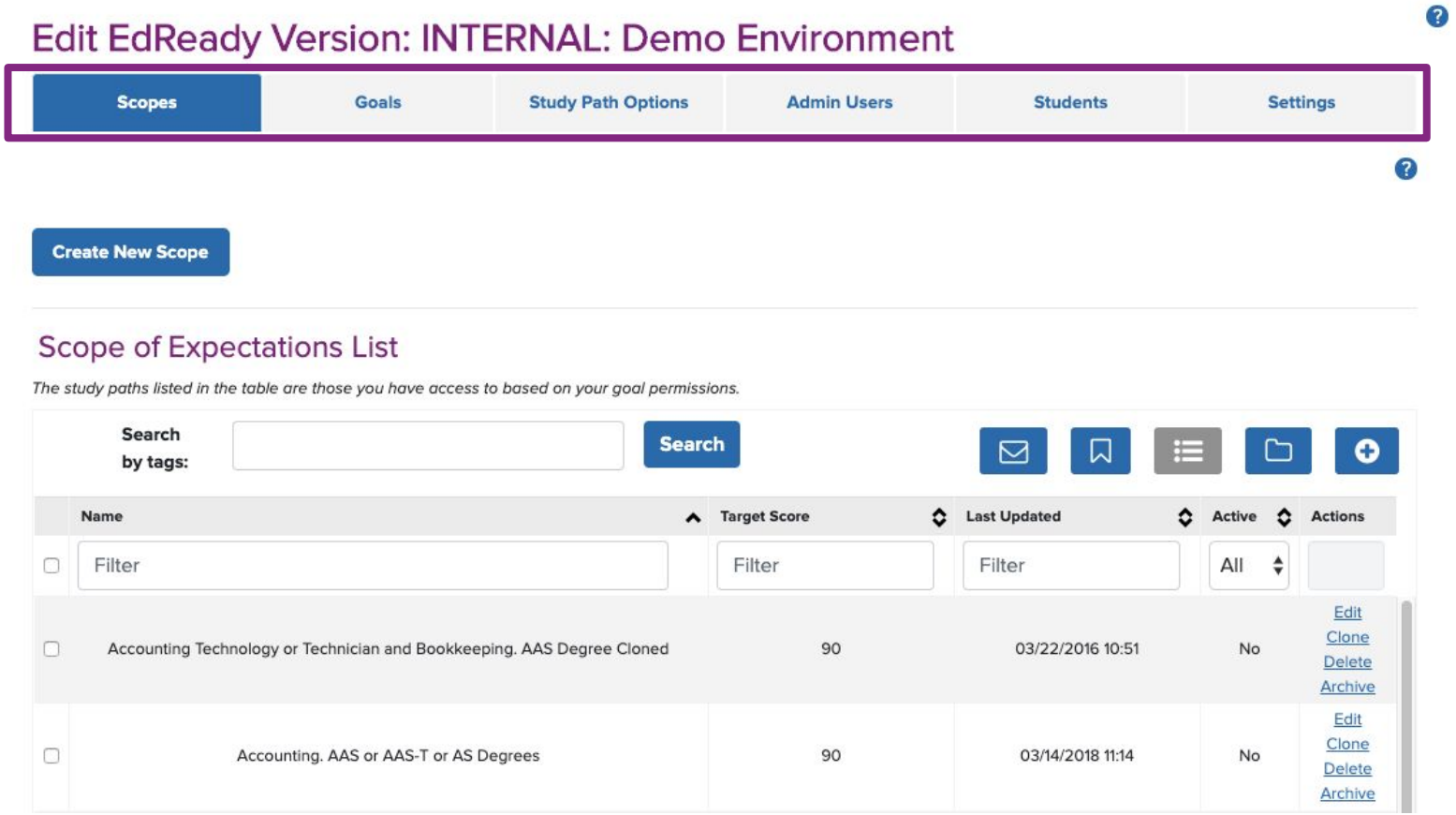
Goals

Identifies the data the user can access
- When assigned a goal, gets access to Students and Scopes included in that goal

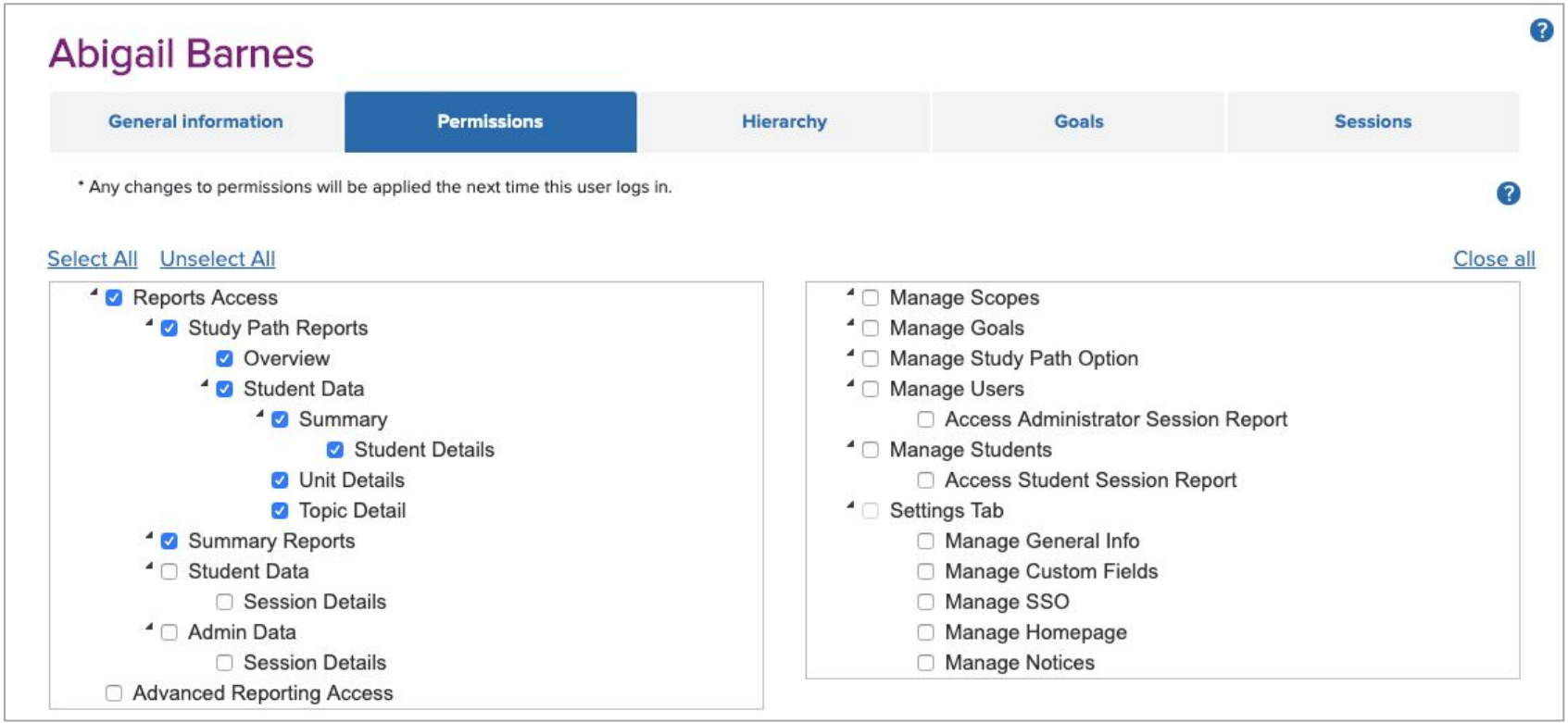
ADMIN USERS: PERMISSIONS



ADMIN USERS: PERMISSIONS



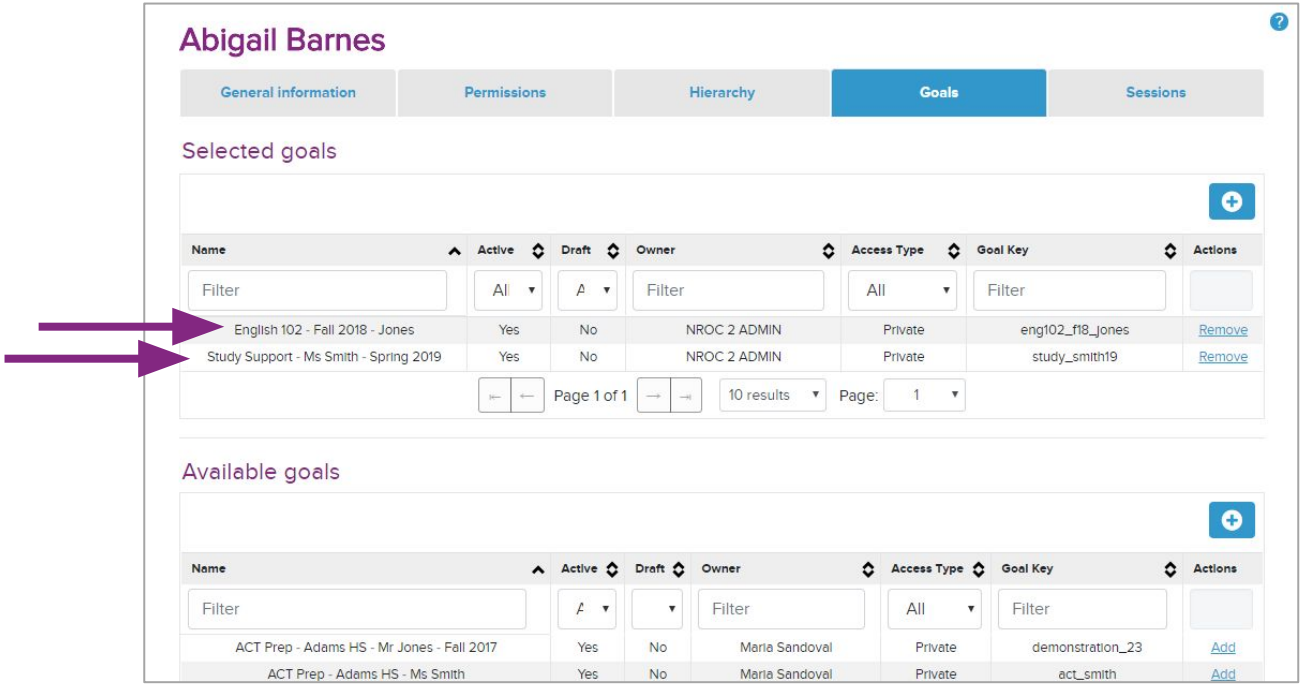
ADMIN USERS: PERMISSIONS



These are the common permissions for a teacher/ reporting access

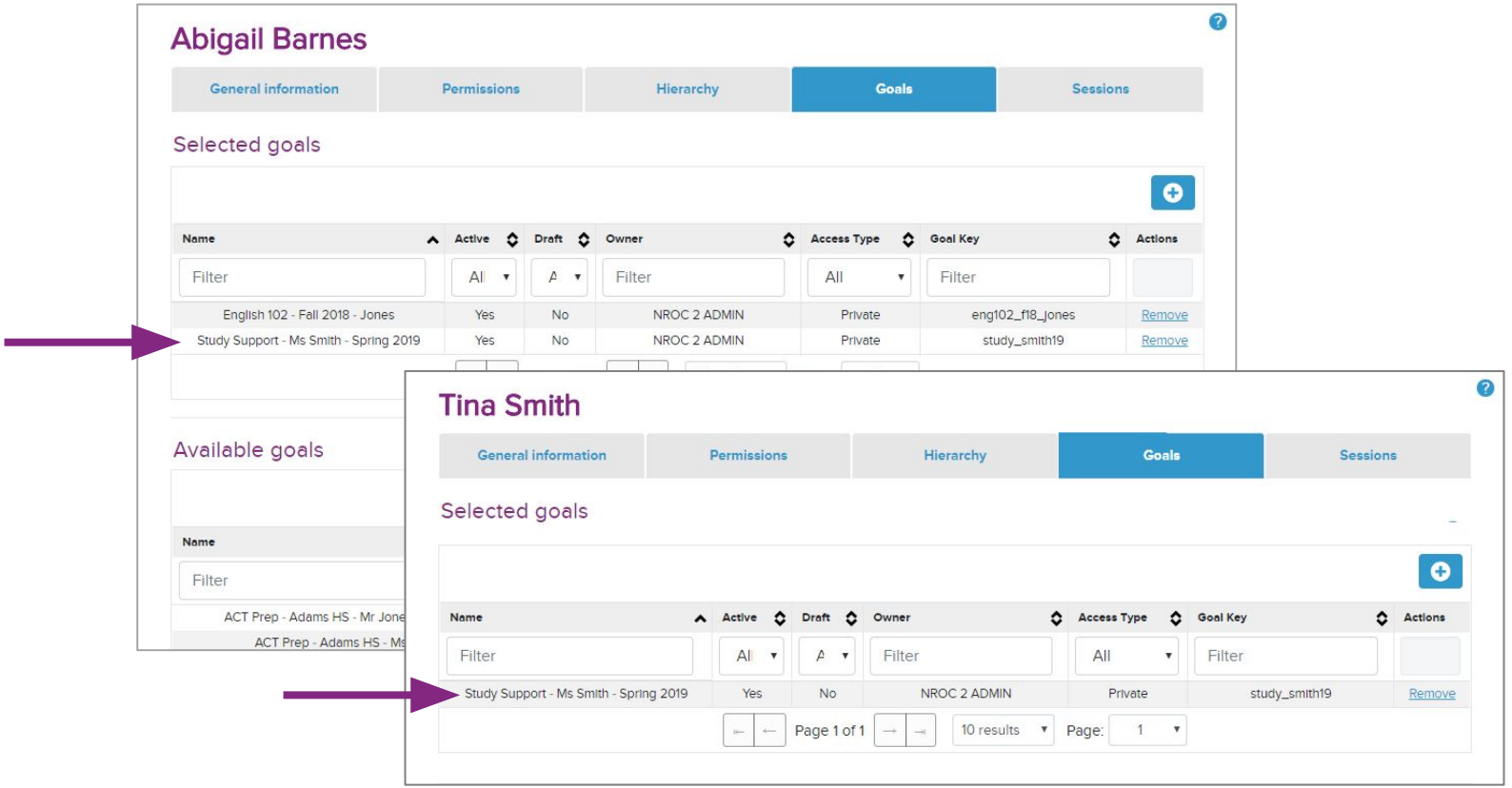
ADMIN USERS: GOALS

Goals can be assigned directly:



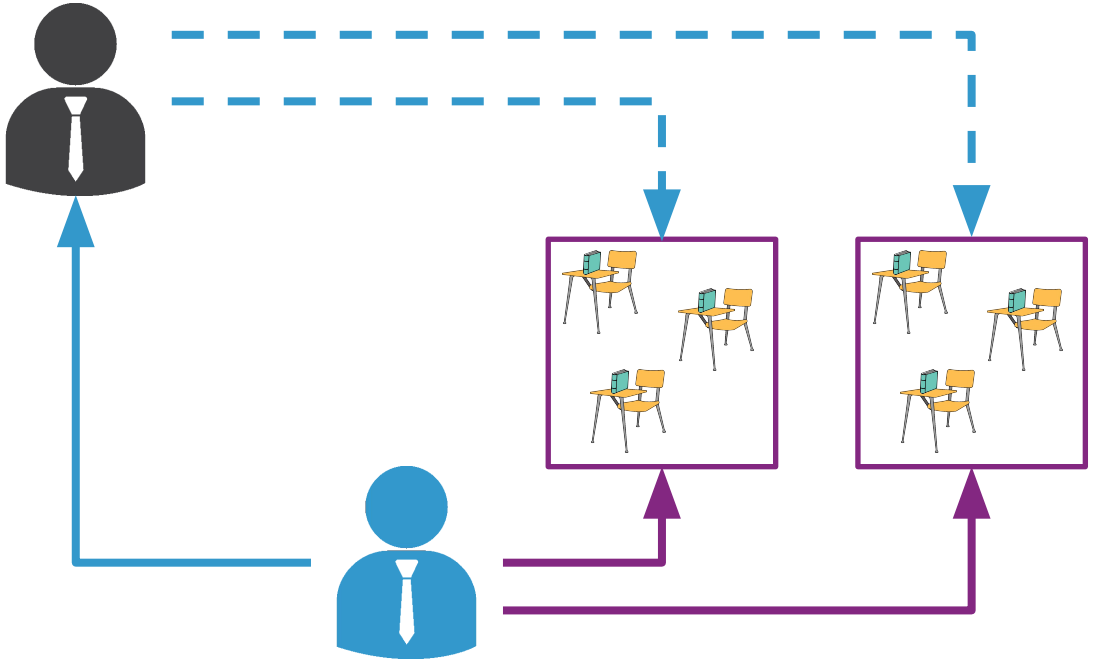
ADMIN USERS: GOALS

Goals can be assigned to multiple admins:



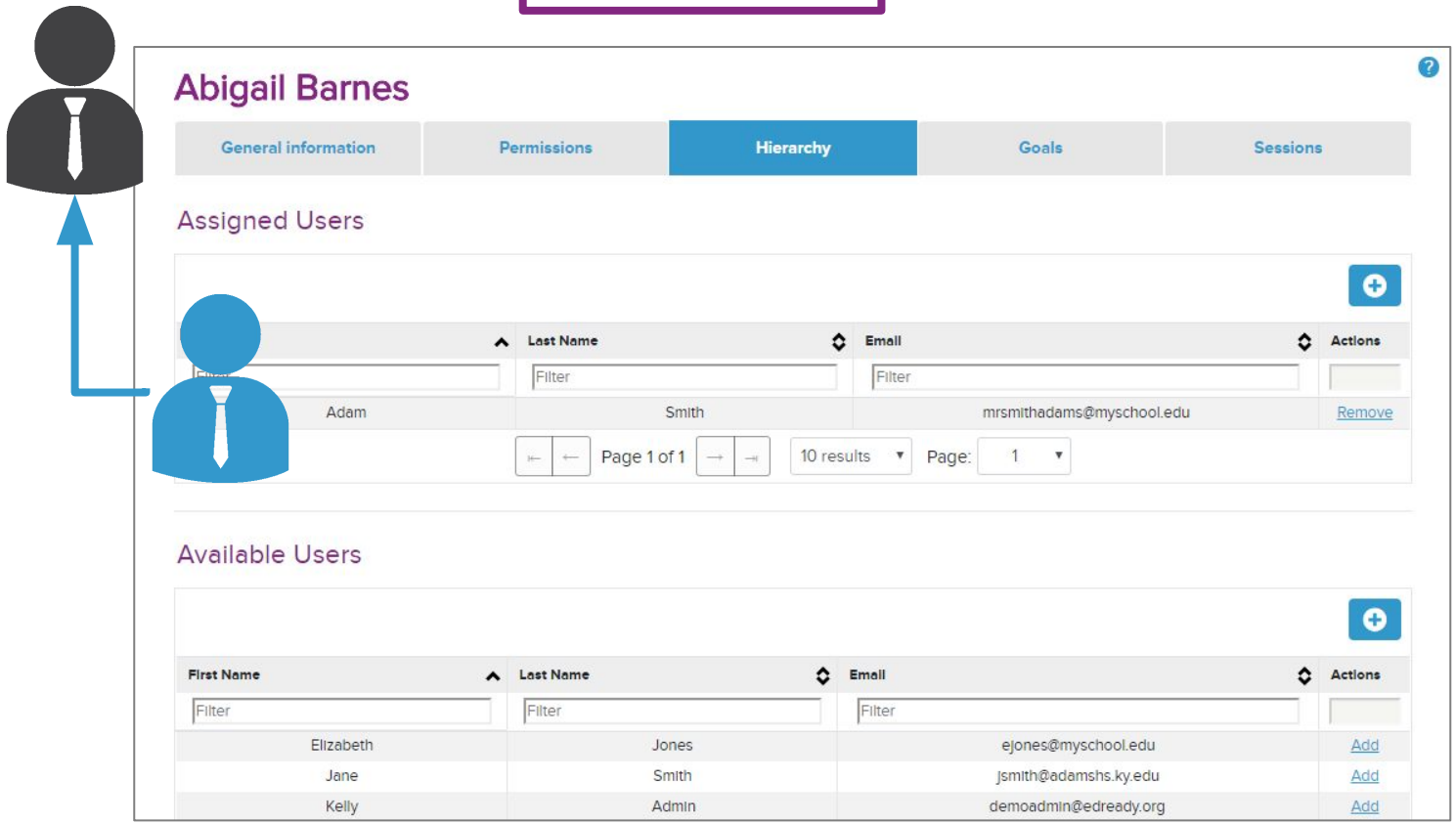
ADMIN USERS: HIERARCHY

Assign access to goals via reporting hierarchy:



ADMIN USERS: HIERARCHY

Set up the hierarchy on SUPERVISOR user



Abigail will have access to the goals that Adam can see

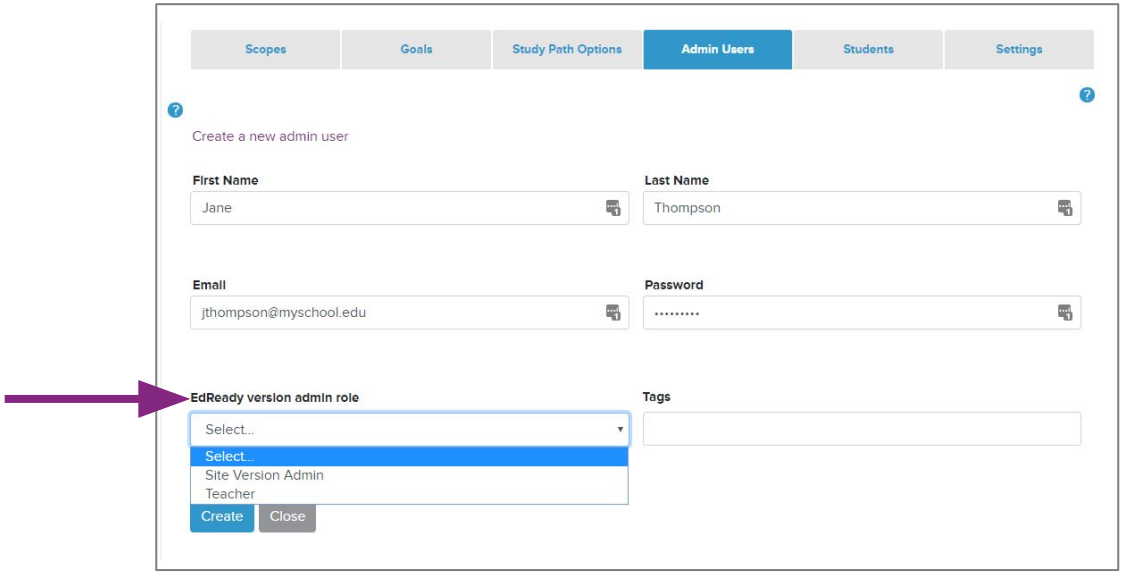
ADMIN USERS: ROLES

Site Version Admin

Typically used to identify those who are in charge of site setup & administration

Teacher

Typically used to identify those that are working with students/ not responsible for site setup



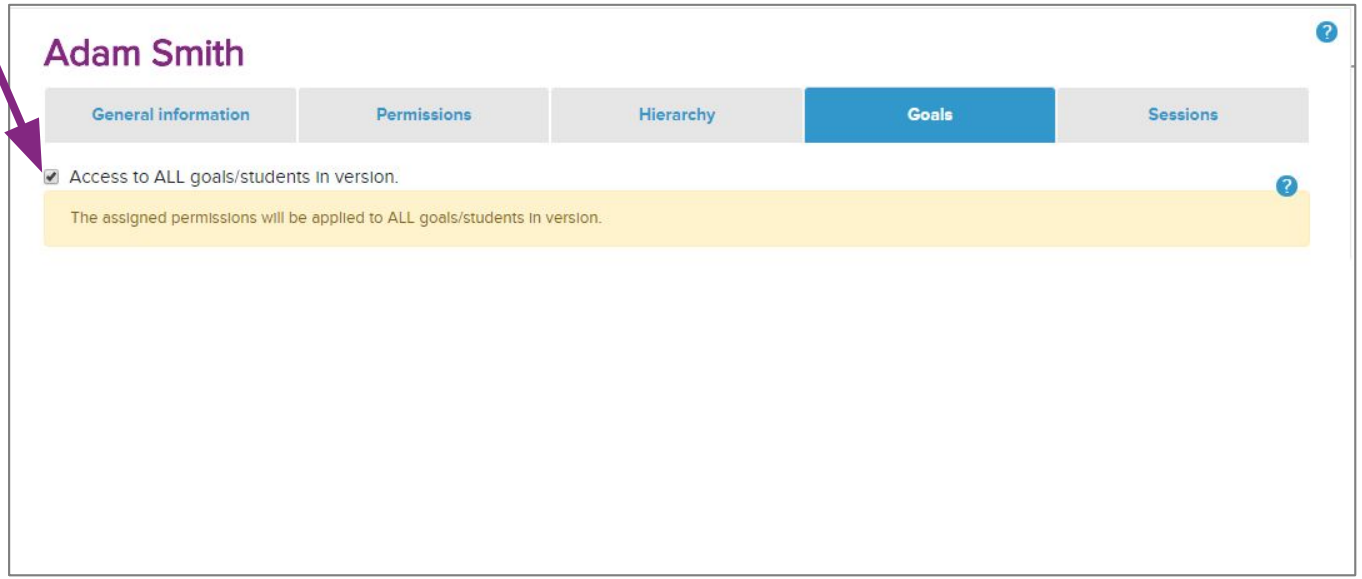
ADMIN USERS: ROLES

Permissions

The same permissions are available to both roles

Goal Assignments

Site Version Admins have the option to see ***ALL*** goals in the site



QUESTIONS?

BACK-TO-SCHOOL *Info Session Series*

Open and Low-Cost Curricular Resources for the 2019-20 Academic Year

3 Ways to Deliver NROC Math

3 Ways to Deliver NROC English

EdReady 101

Of special interest to NROC members:

Optimize EdReady for a New Semester *Monday, August 12*

EdReady Implementation Best Practices *Tuesday, August 13*

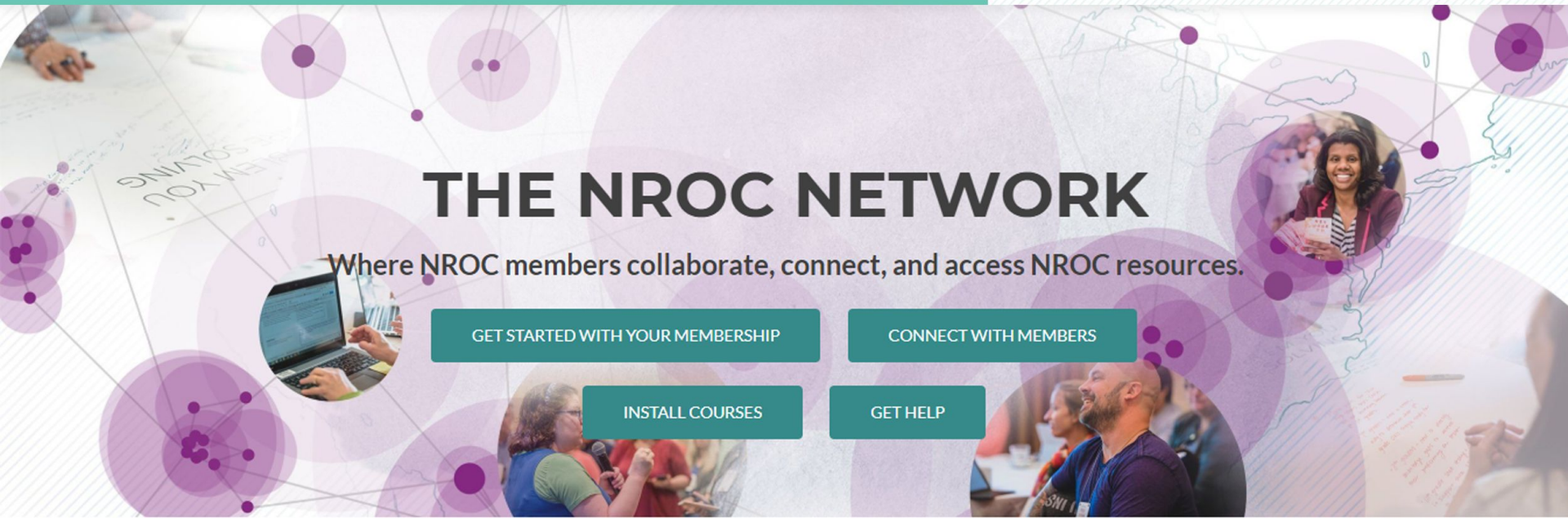
Advice From the Front Lines: NROC Member Success Tips *Wednesday, August 14*

Advanced EdReady Topics: Customization and New Feature Overview
Thursday, August 15

THE NROC PROJECT

All sessions held at 2:00 PM ET | Register and find session recordings at NROCnetwork.org

NROC MEMBERSHIP ACTIVITIES / BENEFITS



Dedicated implementation specialist

Daily Office Hours

Regular Info Sessions

Comprehensive Help Center and technical ticket support

THE NROC PROJECT

THANK YOU FOR ATTENDING!

Ben Jacobs
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Nicole McCabe
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Jason Gipson Nahman
jgipson-nahman@NROC.org

Continue the conversation on social media using #NROCpd

Access the archived webinar at NROCnetwork.org