



TEXAS ON COURSE



MIDDLE GALAXY

TEACHING GAME PLAY IN MIDDLE SCHOOL

Participation and Interaction

The image shows a screenshot of the Zoom website's homepage. A modal window titled "Q&A" is open in the center, displaying the text "You have no question." Below this text is an input field with the placeholder "Input questions and comments here!". At the bottom of the modal, there is a checkbox labeled "Send Anonymously" and a blue "Send" button. The background shows the Zoom website navigation menu with links for "SOLUTIONS", "PLANS & PRICING", "CONTACT SALES", "JOIN A MEETING", "HOST A MEETING", and "MY ACCOUNT". The main content area features several service cards: "Meetings" (Online Meetings, Training & Technical Support), "Video Webinar" (Marketing Events & Town Hall Meetings), and "Developer Platform" (Empower Your Apps With Video, Voice & Screen Sharing). A footer at the bottom contains "Audio Settings", "Chat", "Raise Hand", "Q&A", and a "Leave Meeting" button.



TEXAS ON COURSE

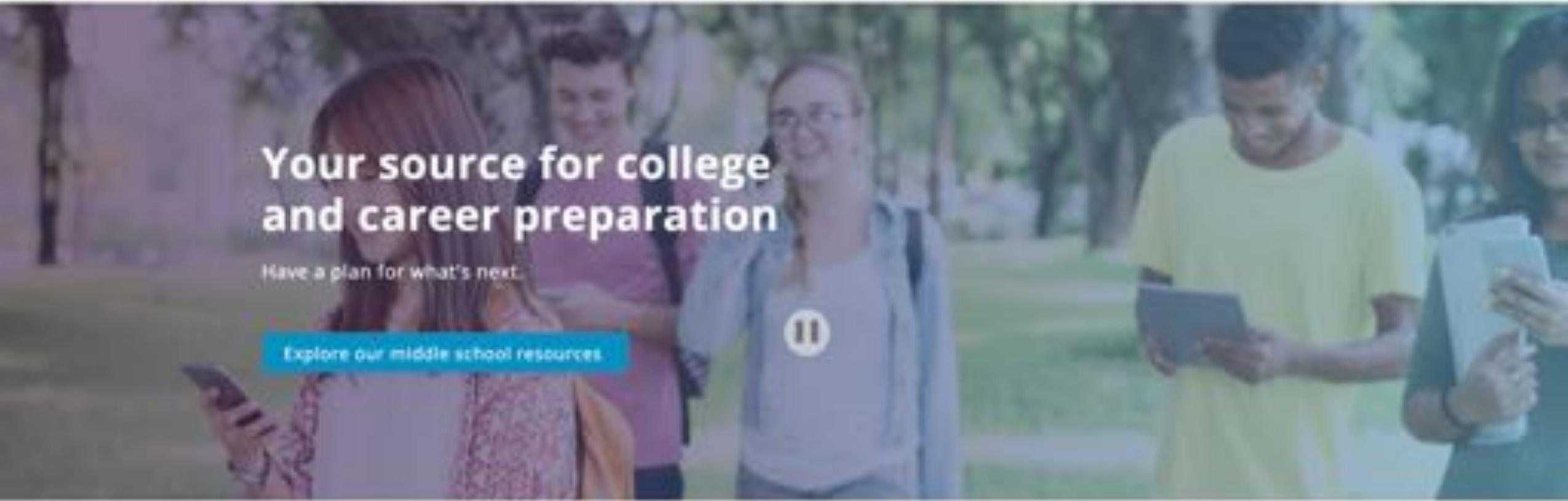


MIDDLE GALAXY

TEACHING GAME PLAY IN MIDDLE SCHOOL



**Texas' definitive source
for college and career
planning**



Your source for college and career preparation

Have a plan for what's next.

[Explore our middle school resources](#)

Featured Tools by Texas OnCourse

- All Tools
- Texas OnCourse Academy
- MapMyGrad
- MiddleGalaxy
- Share Your Road
- Roadtrip Texas
- Middle School Curriculum Guide
- Middle School Family Guide
- Monthly Webinar Series
- Digital Office Hours

Featured Tools by Texas OnCourse



JOB AND CAREERS **MiddleGalaxy**

Lead a space voyage in this web and mobile game exploring the knowledge, skills, and abilities needed for a variety of careers.

Middle School **Early High School**

[Learn More >](#)



GRADUATION REQUIREMENTS **MapMyGrad**

Students zero in on skills and interests to explore careers and endorsements and plan a path through high school.

Middle School **Early High School**

[Learn more >](#)



PROFESSIONAL DEVELOPMENT **Texas OnCourse Academy**

Texas OnCourse Academy provides comprehensive learning on college and career advising to educators.

Middle School **Early High School**
Low High School

[Learn more >](#)



JOB AND CAREERS **Share Your Road**

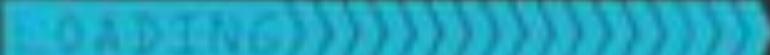
Discover opportunities you never knew existed! Texans share their career journeys. Explore their stories and get inspired.

Middle School **Early High School**
Low High School

[Learn more >](#)

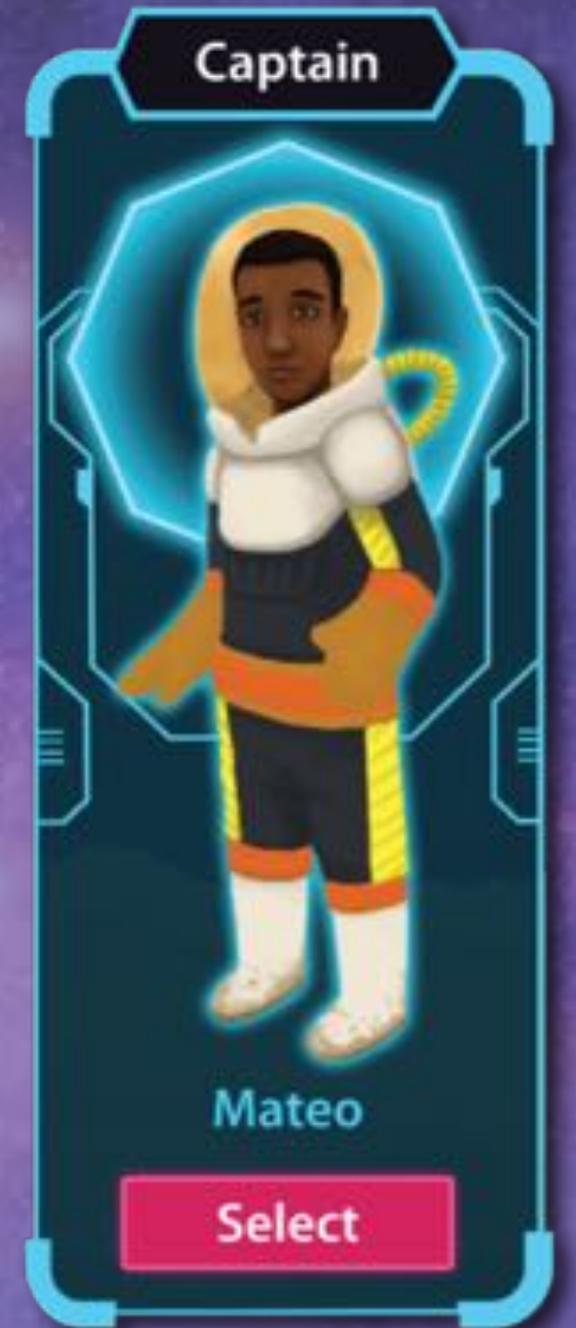
MIDDLE GALAXY

LOADING



AGENDA

1. Using MiddleGalaxy as an **educator**
2. Creating a **student** account
3. Game **objectives**
4. **Playing** the game
5. **Implementing** in the classroom



MIDDLE SCHOOL CURRICULUM GUIDE



Download at texasoncourse.org/texas-ona-course-for-middle-schools

A close-up, slightly blurred photograph of a person's hand typing on a laptop keyboard. The laptop screen in the background displays lines of code in a dark theme. The overall image has a soft, blue and purple color cast.

Educator Access

PROFESSIONAL DEVELOPMENT

Texas OnCourse Academy

by Texas OnCourse

[Educator login](#)

All Tools

Texas OnCourse Academy

MapMyGrad

MiddleGateway

Share Your Road

Roadtrip Texas

Middle School Curriculum Guide

Middle School Family Guide

Monthly Webinar Series

Digital Office Hours

PROFESSIONAL DEVELOPMENT

Texas OnCourse Academy

by Texas OnCourse

[Educator Login](#)



MID

Welcome!

Email

Password

Sign In

Create Account

[Forgot your password?](#)

AXY



MID GALAXY

Captain Registration

- I am a Student
- I am an Educator
- Other

Submit



MIDDLE GALAXY

Educator Registration

You'll need to create an account in the Texas OnCourse Academy before logging into MiddleGalaxy. When you're done, return here, and use it to log into MiddleGalaxy.

Create Account

Have Account



First

Last

Login

[Need to register?](#)

[Forgot password?](#)

[Contact us](#)



Changes to Several Programs Starting 10/11/18, and Much More! See Budget for more info. Learn more. [More info](#)

Texas OnCourse Academy

What's Next



SAT

0/3

Start

All Modules

All Modules



Transition Services for Students with Disabilities

0/3

Complete



FAFSA

0/3

Complete



Common Application

0/7

Complete



ApplyTexas

0/7

Complete

Bookmarks

Click on this image  in the modules to save important pages in your modules so you can

Content Areas

Career Pathways

Career Pathways: Foundational Knowledge

0/1

Career Exploration

0/1

Career Assessments

START

0/1

Academic Planning

0/1

Career Planning

0/1

Career Learning Experience

0/1

Financial Aid

Financial Aid: Foundational Knowledge

0/1

Financial Aid Application Process

0/1

Scholarship Application Process

0/1

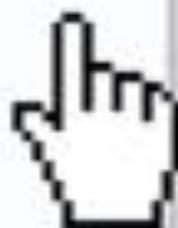
College Cost

0/1

Postsecondary Pathways

Postsecondary Pathways: Foundational Knowledge

0/1



Admission and Application Process ▶

04

Entrance and Placement Exams ▶

04

Postsecondary Research ▶

01

Specialties ▶

0000

Badges

You currently don't have any badges.

Start working towards your first one!



If you've qualified

Claim reward

Claim CPE

MiddleGalaxy Dashboard

Check out our new MiddleGalaxy Educator Dashboard!

Go To MiddleGalaxy Dashboard

Click here to learn about MiddleGalaxy and to see your student's data



Change to Reward Program: Starting 10/01/18, you must earn 600 Badges to receive \$450. Learn more. [Help](#) [View all notifications](#)

School Codes

CREATE



Student Control Panel

School Code

E-Mail

Last Login

Missions Completed

Current Score

Cards Played

Play Time

Status

Total Games Completed

No data available

View all pages



Change to Reward Program Starting 1/15/18, you must earn 4.0 badges to receive \$450 (user max). [Help](#) [View all notifications](#)

Issued class codes

You have 100 issued by this course

[+ New code](#)

[Add message](#)

[Contact support](#)



Change to Reward Program: Starting 11/20/18, you must earn 6.0 badges to receive \$450. Learn more: [http://ow.ly/1818](#)
[View all notifications](#)

People using code f3f3cb1ed

How do you see your badge?

Learn more

2018-11-20 10:00 AM



Change to Reward Program: Starting 11/29/18, you must earn 6.4 badges to receive \$400. Learn more [help.view.fyi#](#)
View all notifications

View all issued class codes

Issued class codes

Issue	School	Class	Amount
1000-0000	10000000000000000000	10000000000000000000	10000000

+ New code

Print the card

Close window



Change to Reward Program: Starting 10/11/18 you must earn 400 badges to receive \$400. Learn more: [Help/FAQ/Link](#)
[View all notifications](#)

School Data

ADD SCHOOL

SALARIES

CREATE

STUDENT LEARNING DATA

School Code	Student Name	E-Mail	Last Login	Missions Completed	Current Score	Cards Played	Play Time	Status	Total Games Completed
-------------	--------------	--------	------------	--------------------	---------------	--------------	-----------	--------	-----------------------

[View All Schools](#)

No data available

Pagination: 1 2 3 4



Change to Reward Program Starting 10/21/18 and that earn ALL Badges for value \$400. Learn more. My OnCourse

See Notifications

School Code

667204746

190204401

000004746

14018

004100000

000000000

Add



Student Award Stats

School Code	+ Student Name	Email	Last Login	Missions Completed	Current Score	Cards Played	Play Time	Status	Total Games Completed
667204746	Larson	14018@22185@texasoncourse.com	Monday, 10/22/18 10:45:19	1	100	0	00:00:00	In Progress	0
667204746	TX001000Larson	14018@22185@texasoncourse.com	ipd	0	0	0	00:00:00	Not Started	0
667204746	TX001000Larson19	14018@22185@texasoncourse.com	Monday, 10/22/18 10:45:00	0	0	0	00:00:00	In Progress	0

Showing page 1 of 1 | 14,000 | 0 | 0

A group of students sitting on bleachers in a gymnasium, holding papers and looking at them. The image has a blue and purple color overlay.

Creating Student Accounts

MID

Welcome!

Email

Password

Sign In

Create Account

[Forgot your password?](#)

AXY



MID GALAXY

Captain Registration

- I am a Student
- I am an Educator
- Other

Submit



MIDWINTER GALAXY

Captain Registration

Please enter class code

I don't have one

Submit



Captain Registration

First Name

Email

Password

Confirm Password

I have read and agree with the Terms of Service

[Terms of Service](#)

Submit



MIDDLE GALAXY

PLAY ▶





Settings

Edit Profile

Sound FX/Music

Exit Game



Volume Settings

Music Volume



Sound Effect Volume



Mute



MIDDLE GALAXY

PLAY ▶





MID

AXY

Help

Help

Tutorial

Frequently Asked Questions

Terms of Service

Game Objectives

SELECT CAPTAIN

Students build **problem solving skills** by leading a squad of space cadets.

Captain



Maaike

Select



Students learn the skills and abilities needed to complete **missions** that connect to **endorsements**.



In this view, you can see cadet details and related information.

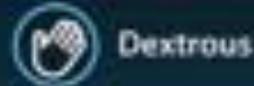
Electrician



Outer space may be dark, but I keep the lights on.
-Original

Zoya

ABILITIES



Dextrous

SKILLS



1

Technology & Engineering



1

Trade & Craftsmanship

IDEAL MISSION TASKS

ABOUT CAREER

Electricians install, test, and repair electrical systems. They put in wires, connect them to circuit breakers, and test circuitry for safety, following local and national building codes.

May be a good match if...
You love the feeling of completion you get after fixing something. Problem solved!

Students gain valuable **career knowledge** by matching career profiles to the appropriate mission.

PLAYING THE GAME

How do you win?

What is a good score?

How do you earn points?

Save & Return

Settings

0

PTs

0/10

Missions

0/60

Cadets

KEY



Set Up Computer Network



Analytical



0/5



Transport Construction Materials



Organized



0/2



0/3

Medical Screenings



Dextrous



0/2



0/3



Captain's Action

FIREFIGHTER



Athletic

QIU

TEACHER,
EARLY GRADES



Communicative

AARON

ACCOUNTING
CLERK



Organized

THOO

PERSONNEL
OFFICER



Communicative

TYRELL

Study Skills
Class



Organized

Knowledge Base

Draw
Cards

Field Biologist



ABILITIES



Athletic

SKILLS



2

Math & Science

IDEAL MISSION TASKS



ABOUT CAREER

Field biologists go out into the world to study living organisms like animals, plants, and microbes. They also examine their relationships to the environment and other living things.

May be a good match if...
You can sit in your yard, the park, or a zoo for hours, just waiting to see your favorite animal run by.

FIELD BIOLOGIST



2

Athletic

NIA

ANESTHESIOLOGIST



2

Analytical

JULIO

SYSTEMS ADMINISTRATOR

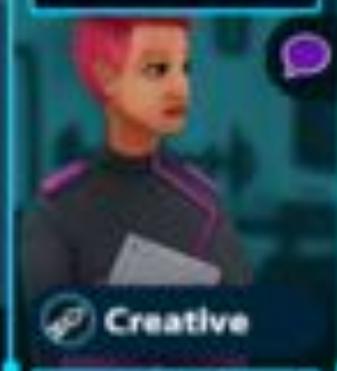


2

Analytical

VIV

TRAINING OFFICER

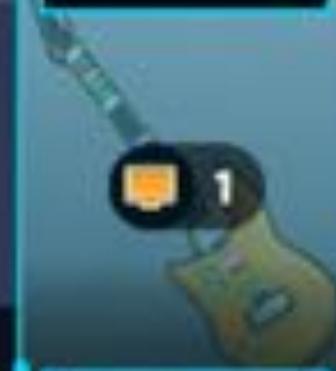


2

Creative

KELLY

Music Class



1

Knowledge Boost

In this view, you can see cadet details and related information.

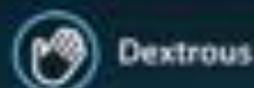
Electrician



Outer space may be dark, but I keep the lights on.
-Original

Zoya

ABILITIES



Dextrous

SKILLS



1

Technology & Engineering



1

Trade & Craftsmanship

IDEAL MISSION TASKS

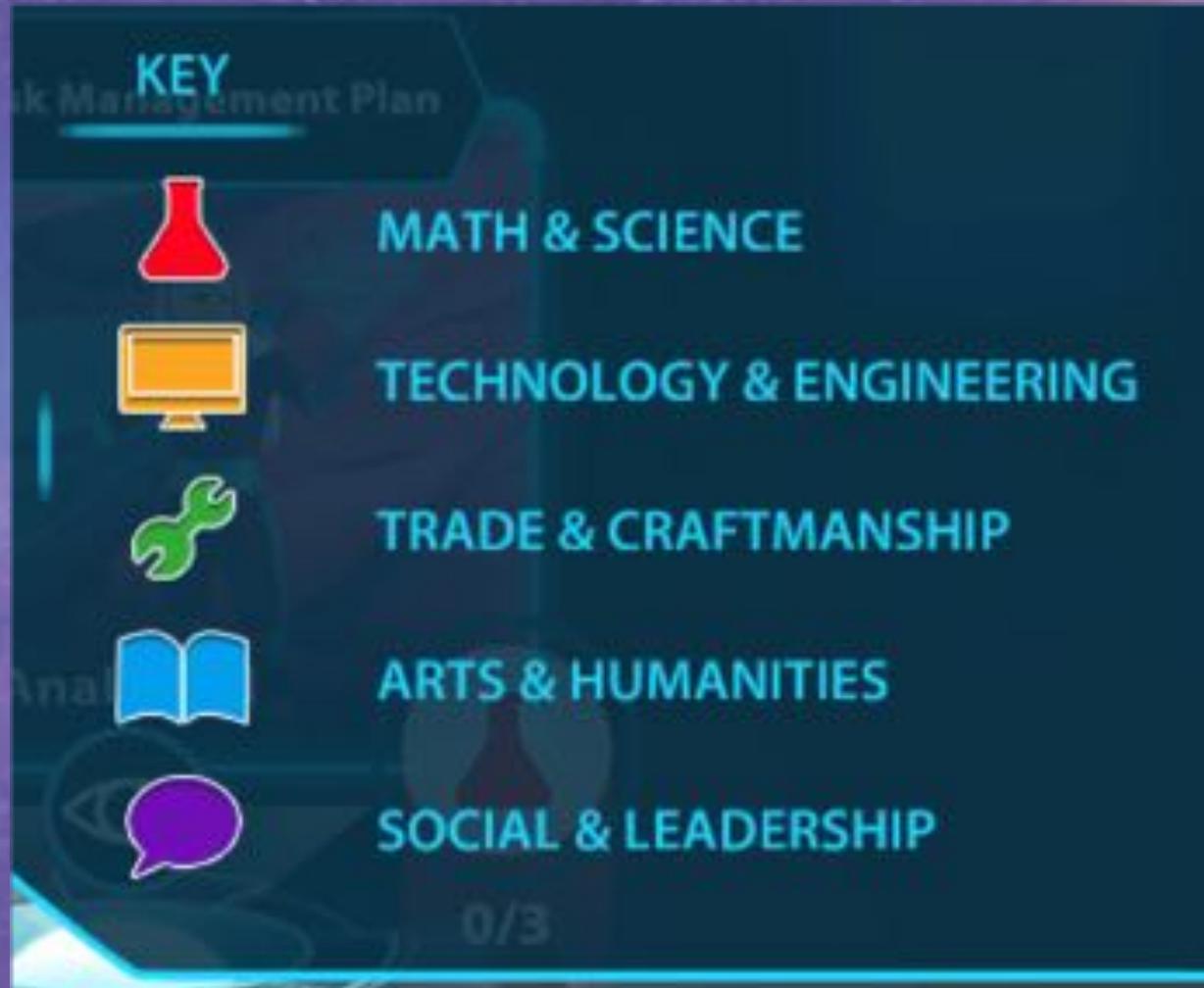


ABOUT CAREER

Electricians install, test, and repair electrical systems. They put in wires, connect them to circuit breakers, and test circuitry for safety, following local and national building codes.

May be a good match if...
You love the feeling of completion you get after fixing something. Problem solved!

MIDDLE GALAXY SKILLS



Save & Return

Settings

0
PTs

1/10
Missions

0/60
Cadets

KEY

-
-
-
-
-

Create Risk Management Plan

Analytical

0/2

Alien Species Survey Mission

Athletic

0/3

Provide Work Training

Communicative

0/2

Captain's Action

EMERGENCY MEDIC

1

1

Destress

BU

FIELD BIOLOGIST

2

Athletic

WB

ACCOUNTING CLERK

1

1

Organized

TRB

SECURITY OFFICER

2

Athletic

BU

Football Practice

Analytical

Knowledge Base

Draw Cards

Save & Return

Settings

2990
PTs

5/10
Missions

17/60
Cadets

KEY

- Red flask icon
- Orange book icon
- Green wrench icon
- Blue book icon
- Purple speech bubble icon

Plan Colony Founding Celebration



Creative

3/3

Counsel Homestead Colonists



Communicative

0/3

Spacesuit Repair



Dextrous

3/3



2



2



1



1



Captain's Action

Medical Assistant



Communicative

HECTOR

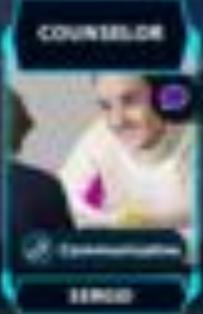
Physical Therapist



Dextrous

IAN

Counselor



Communicative

SERENO

Security Officer



Artistic

ELI

Engineering Class



Dextrous

Knowledge Base

Draw Cards

Save & Return

Settings

1360
PTs

0/10
Missions

6/60
Cadets

KEY



BONUS ROUND



COMPLETED MISSION

Analytical



2/2



3/3

Alien Species Survey Mission



Athletic



2/3



0/2

Provide Work Training



Communicative



2/2



2/3



Captain's Action

WEB DEVELOPER

Creative

GABRIEL

PLUMBER

Dextrous

WESLEY

CONSTRUCTION EQUIPMENT SUPERVISOR

Communicative

JIM

OCCUPATIONAL THERAPIST

Communicative

SITRA

Computer Systems Class

Knowledge Base

Draw Cards

Save & Return

Settings

0
PTs

7/10
Missions

0/60
Cadets

KEY



Select any cards you would like to reshuffle.



Cancel

Don't Shuffle



Captain's Action



CAPTAIN'S ACTIONS

One Action may be used per turn and each Action may be used once per game.

MENTOR



SKILLS

Give a +1 in one skill to one cadet.

Initiate

RETRAIN



SKILLS

Convert one cadet's skill score to another category.

Initiate

COLLABORATE



ABILITIES

Give one cadet a new ability from another cadet in play, and vice versa.

Initiate

Spacewalk Repairs



Math & Science



Dexterity



Trade & Craftsmanship

Place Cadets on Tasks and
Select Assign When Finished



Repair Electrical Connections

Design Spacewalk

Use Robot Arm for Repairs

CIVIL ENGINEER



Analytical

ANNA

MEDICAL ASSISTANT



MIA

ROBOTICIST



Dexterity

MIA

Assign

Make Video Documentary



3

Arts & Humanities



Creative



2

Technology &
Engineering

Bonus Round Complete



★ ★ **TOKEN EARNED** ★ ★

Points Earned



10

20

30

Cadet Codex



Arts & Humanities

Math & Science

Social & Leadership

Technology & Engineering

Trade & Craftsmanship

GRAPHIC DESIGNER

2

4

Creative

EMMA

JOURNALIST

2

4

Creative

LINA

LEGAL ASSISTANT

2

3

Organized

Quinn

RESEARCH MANAGER

2

4

Analytical

OSCAR

TEACHER, ADVANCED GRADES

2

4

Creative

ALEX

TRANSLATOR

2

5

Communicative

EMMA

ANTHROPOLOGIST

1

5

Analytical

DAVID

ARCHITECT

1

4

Creative

EMILIO



Cadet Codex



Arts & Humanities



Math & Science



Social & Leadership



Technology & Engineering



Trade & Craftsmanship

GRAPHIC DESIGNER

2

4

Creative

IVA

JOURNALIST

2

4

Creative

UNA

LEGAL ASSISTANT

2

4

Organized

Quinn

RESEARCH MANAGER

2

4

Analytical

OSCAR

TEACHER, ADVANCED GRADES

2

4

Creative

ALIX

TRANSLATOR

2

5

Communicative

EMMA

ANTHROPOLOGIST

1

5

Analytical

DAVID

ARCHITECT

1

4

Creative

EMILIO



Save & Return

Settings

2990
PTs

5/10
Missions

17/60
Cadets

KEY

-
-
-
-
-

Plan Colony Founding Celebration

Creative

3/3

Counsel Homestead Colonists

Communicative

0/3

Spacesuit Repair

Dextrous

3/3

2

2

1

1

1

1

Captain's Action

MEDICAL ASSISTANT

1

1

Communicative

VECTOR

PHYSICAL THERAPIST

1

1

Dextrous

MA

COUNSELOR

3

Communicative

SEMOB

SECURITY OFFICER

3

Artistic

RO

Engineering Class

Dextrous

Knowledge Base

Draw Cards



2000
PTS
10
Mission
1700
Credits

Medical Assistant



From patient paperwork to medical samples, I handle it all.
-Original

Hector

ABILITIES



Communicative

SKILLS



1 Arts & Humanities



1 Social & Leadership

IDEAL MISSION TASKS

Counsel Homesick Colonists -
Talk to Patient about Medical History

ABOUT CAREER

Medical assistants keep doctors' offices and clinics running smoothly. Their tasks are often clerical but also involve patient contact and care.

May be a good match if...
You view a sick friend as an opportunity to make someone feel cared for.



A photograph of a group of students sitting on a bench in a classroom, holding papers and looking at them. The image is overlaid with a semi-transparent blue and purple gradient. The text "Using MiddleGalaxy in the Classroom" is written in large, bold, white letters across the center of the image.

Using MiddleGalaxy in the Classroom

MIDDLE SCHOOL CURRICULUM GUIDE



Download at texasoncourse.org/texas-ona-course-for-middle-schools

Suggested Implementation Plan: Fall or Spring Semester

This course sequence provides a suggested scope and timeline for implementing the curriculum in a single semester.

Unit 1: Purposeful Planning

Timeframe	Lesson and number of 40-minute periods to complete	Synopsis
Fall: first two or three weeks of August Spring: first two or three weeks of January	1.1. My Vision: 2-3 periods and ongoing	Students begin an introspection on their personal interests and passions. They create and will continue to add to a vision board for their life's path.
	1.2. Investigating Career Clusters and Programs of Study: 2-3 periods	Students research all of the 16 different career clusters. ¹
	1.3. Deep Dive into My Preferred Career Clusters: 2-3 periods	Students are given time to research their personal areas of interest.
	1.4. Understanding the Five High School Endorsements: 2 periods	Using the jigsaw format, students research the five endorsements.
	1.5. Endorsement Requirements: 1 period	Students review requirements for completing the endorsements of their choice.
	1.6. Find Your Path: 2 periods	Using MapMyGrad, students complete the interest quiz to see which endorsement aligns with their interests.
Fall: mid-August to September Spring: mid-January to February	2.1. Your High School Transition: 1 period	Students are asked to think about how they should prepare for the transition to high school. ¹
	2.2. The Foundation High School Program and High School Personal Graduation Plan: 2-3 periods	Using the Texas Grad Planner, students begin to map out their high school career. ²
	2.3. What is the Distinguished Level of Achievement and Why Should I Consider It? 2 periods	The teacher reviews the requirements for and benefits of receiving a Distinguished Level of Achievement. The students practice calculating GPA. ²
	2.4. Leaving Home: 1 period	Students discuss their thoughts on the idea of eventually leaving home to pursue their postsecondary dreams.
	2.5. Postsecondary Options: 2 periods	Students explore different approaches to their career pathways by looking at postsecondary options. ³
	2.6. Roadmap Checklist: 2 periods	Students research the steps needed to reach their postsecondary options by using the MapMyGrad roadmap checklist.
	2.7. Summer after High School Graduation: 4-5 periods	Students conduct interviews to gather recollections of this time during the interviewee's life.
Summative Assessment Items		Use the provided assessment items to create and insert assessments as needed throughout the semester, preferably between chapters. Allow time for review as well.
Performance Assessment: My Vision: 3-4 periods		This is done at the end of Unit 1 as a final assessment. Students will answer the unit's essential questions by creating a presentation.

Chapter 1: Who Am I?



Architect



If a building becomes architecture, then it is art.
-Annie Jacobson

Emilio

ABILITIES



Creative

SKILLS



1

Arts &
Humanities



1

Trade &
Craftsmanship

IDEAL MISSION TASKS



ABOUT CAREER

Combining skills in drawing, modeling, and computer drafting, Architects design buildings and oversee their construction.

May be a good match if...
Your favorite view is of a city skyline.

Lesson 1.3: Deep Dive into My Preferred Career Clusters

Lesson Overview

This lesson has students explore the various career clusters and career pathways. Students should understand that these choices are important but not final. A student's career cluster can change over the course of their learning, perhaps even their lifetime. Students will have the opportunity to think critically by playing MiddleGalaxy, a game that can help inform their choices in ways such as connecting a career cluster with their endorsement.

Instructional Objectives

College and Career Readiness TEKS

§127.2(c)(1) – The student investigates one or more careers within the 16 career clusters. The student is expected to:

- (A) identify the various career opportunities within one or more career clusters; and
- (B) identify the pathways within one or more career clusters.

§127.2(c)(2) – The student investigates career pathways in one or more of the 16 career clusters. The student is expected to:

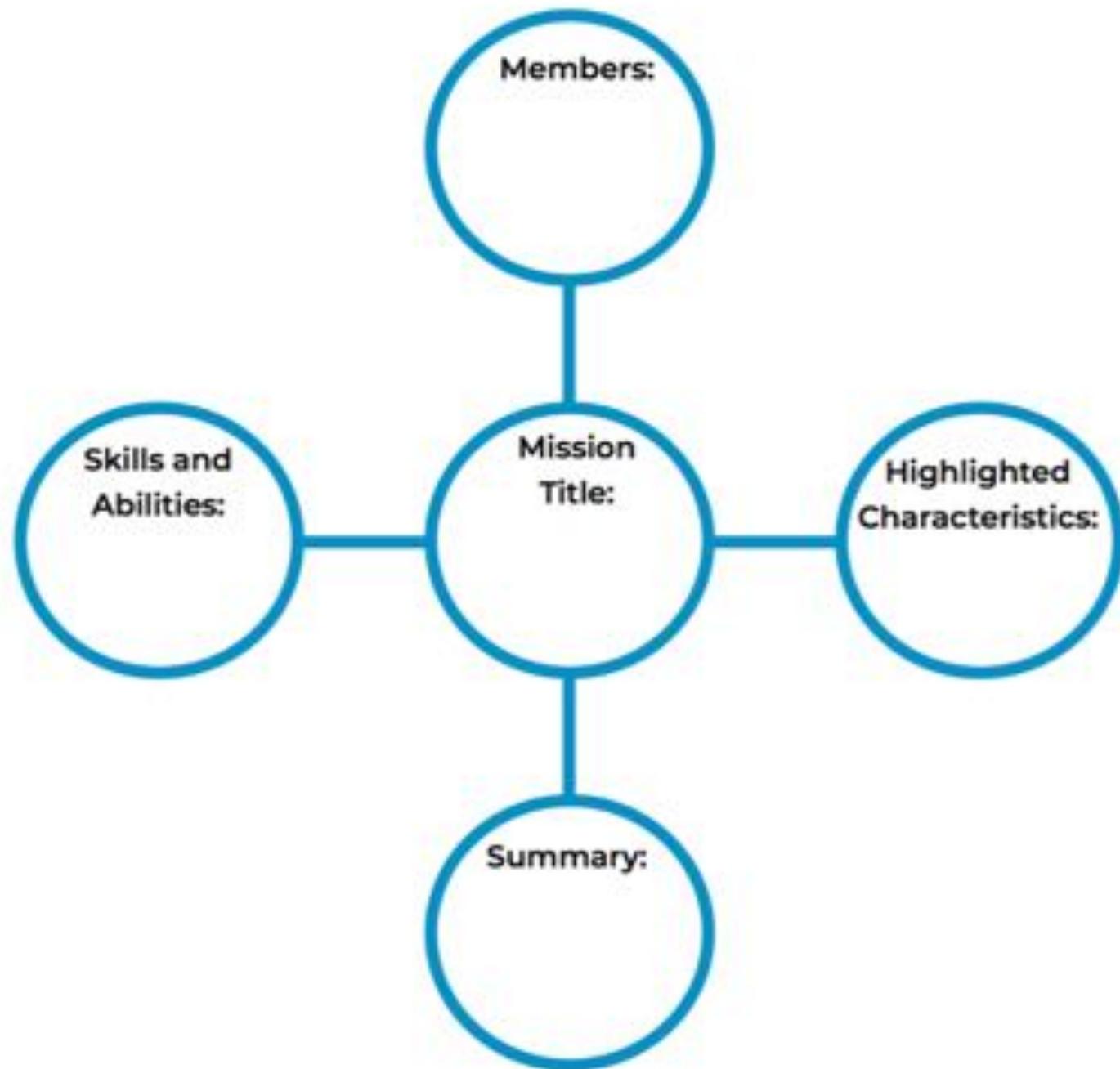
- (A) research the academic requirements for one or more of the careers in an identified cluster;
- (B) research the certification or educational requirements for careers; and
- (C) describe the technical-skill requirements for careers.

§127.3(c)(1) – The student explores career assessments as related to college and career planning. The student is expected to:

- (A) analyze and discuss the initial results of career assessments;
- (B) explore the 16 career clusters;
- (C) research trending fields related to career interest areas;
- (D) determine academic requirements in related career fields; and
- (E) research educational options and requirements using available resources.

SPACE JOURNAL ✨

Career Description:	Skills:	Abilities:
Career Description:	Skills:	Abilities:
Career Description:	Skills:	Abilities:



MIDDLE GALAXY

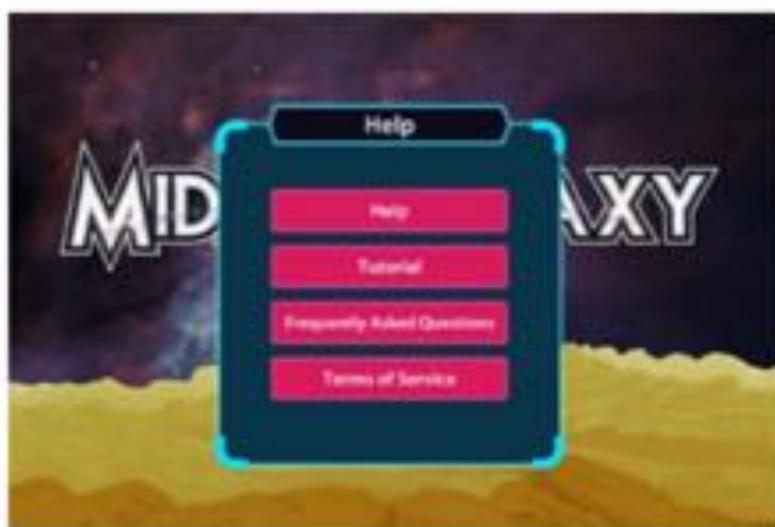
Appendix: MiddleGalaxy Educator Game Guide

Welcome to MiddleGalaxy! This game is a Texas OnCourse resource. As an educator, you will be exploring careers with your middle school students. This guide covers the game's objectives, its terms, and how to play. The game is designed to help educators facilitate conversations and lessons about academic choices and career goals in preparation for high school. Use it along with the [Middle School Curriculum Guide](http://tinyurl.com/y9kcnzoz) (tinyurl.com/y9kcnzoz) provided by Texas OnCourse.

Log-ins and Student Progress

Student Access

Students log in to [MiddleGalaxy](http://www.middlegalaxy.org) (www.middlegalaxy.org). Students will create a profile and a password. A personal email address is required. They may also download the app to a smartphone in the iOS and Android App stores. We recommend that you provide time and instruction for students to complete the tutorial the first time students log in. It's shown here as an option when students are on the MiddleGalaxy home screen. To access the Tutorial option, click the question mark icon on the top right corner of the MiddleGalaxy home screen.



What's Coming Up?

- MapMyGrad Webinar, February 7th, 2019, 2:00 p.m.
- Teaching and Advising Career Pathways Webinar, February 5th, 2019, 10:00 a.m.
- Leader Fellow Application is now open!
- Twitter Office Hours

Stay Connected!

- Join our email list:
texasoncourse.org/newsletter-sign-up
- Follow us on Twitter and Facebook
 - @TexasOnCourse
 - facebook.com/TexasOnCourse

Questions?

Comments?