TECHNOTales

Teacher Guide

Lessons for Elementary School Students



Technology Course using

ScratchJr

Create a tale using coding techniques.

In this course, students make a modern fairy tale. Using ScratchJr, they will combine coding blocks to form scripts that animate the story action. The tale will be about a character that overcomes a problem by going on a quest. To live happily ever after, they must find a hidden item and locate someone that can help. What will happen in the "Once Upon a Time" adventure?



Copyright © 1993 – 2024 TechnoKids Inc. All Rights Reserved

Table of Contents

Introduction

Introduction	
How to Use This Guide	i
TechnoTales Overview	ii
Technology Integration Ideas	iv
Session 1 Get to Know Scratch Jr	
Session 1 Get to Know ScratchJr	1
Session 1 Getting Started	
Assignment 1 Coding and Storytelling	
What Is Coding?	
Programs and Storytelling Pick the Script that Will Tell the Story	
Assignment 2 Explore the ScratchJr Window	
Open a New Project in ScratchJr	
Label the Parts of the ScratchJr Window	
Close ScratchJr	10
Assignment 3 Discover ScratchJr Coding Blocks	
Open ScratchJr	
Add a Block to the Programming Area	
Watch the Script Play	
Add a New Character	12
Build a Script	
Close ScratchJr	
Assignment 4 Tell a Story Using Coding Blocks	
Pick the Characters and Background	
Build the Script	
Close ScratchJr	13
Session 1 Review: Storytelling with ScratchJr	
Session 1 Skill Review: The Tale of the Sad Fairy	
Session 1 Extension Activity: Record a Sound	17
Session 2 Once Upon a Time	
Session 2 Once Upon a Time	
Session 2 Getting Started	
Assignment 5 View a Techno Tale	
Assignment 6 Plan Your Story	
TechnoTale Story Ideas	
Assignment 7 Set the Scene	
Open a New Project in ScratchJr and Name It	
Add a Title for the Story	
Describe the Problem in the Story	
Close ScratchJr	
Assignment 8 What Is the Problem?	
Open the Tale Project in ScratchJr	
Change the Size of the Character	
Delete Coding Blocks	31
Move a Character to Show the Problem in the Story	
Close ScratchJr	31

Assignment 9 Who Is the Hero?	32
Open the Tale Project in ScratchJr	
Add the Good Guy Character	
What Does the Good Guy Say?	
View the Story in Full Screen	
Close ScratchJr	
Session 2 Review: ScratchJr Tools and Scripts	
Session 2 Skill Review: The Tale of the Runaway Horse	
Session 2 Extension Activity: How to Design a Character	
, c	
Session 3 Embark on a Quest	
Session 3 Embark on a Quest	
Session 3 Getting Started	
Assignment 10 Help the Hero	
Open the Tale Project in ScratchJr	
Insert a New Page	
Add a Background Describe How the Special Item Will Help	
Add Instructions for the Reader	
Close ScratchJr	
Assignment 11 Hide the Special Item	48
Open the Tale Project in ScratchJr and View Page 2	
Add the Special Item	
Say Found It	
Add an Object to Hide the Item	
Find the ItemClose ScratchJr	
Assignment 12 Animate Objects on the Story Page	
Open the Tale Project in ScratchJr and View Page 2	
Be Creative	
Turn the Pages to View the Story	
Close ScratchJr	51
Session 3 Review: About Wait and Repeat	52
Session 3 Skill Review: The Quest for the Fallen Star	53
Session 3 Extension Activity: Set the Speed	55
Session 4 Seek Help	
·	5.4
Session 4 Seek Help	
Assignment 13 Count the Steps to Move a Character	
Count the Steps	
·	
Assignment 14 Ask for Help	
Open the Tale Project in ScratchJrInsert a New Page	
Add a Background	
Describe How the Helper Will Solve the Problem	
Close ScratchJr	64
Assignment 15 Bump to Trigger an Action	65
Open the Tale in ScratchJr and Turn on the Grid	
Add the Characters	66
Ask for Help	
When Bumped Go to the Bad Guy When Bumped Show the Problem is Solved	
Turn the Pages to View the Story	
Close Scratch Ir	

Session 4 Review: About If-Then Logic	68
Session 4 Skill Review: Under Attack	70
Session 4 Extension Activity: Explore the Kingdom	72
Session 4 Extension Activity: Design Your Own Quest	73
Session 5 Happily Ever After	
Session 5 Happily Ever After	74
Session 5 Getting Started	75
Assignment 16 What Happens Next?	79
Complete the Script	79
Assignment 17 Celebrate a Happy Ending	80
Open the Tale Project in ScratchJr and Insert a New Page	
Use Your Skills to Describe the Story Action	
Close ScratchJr	
Assignment 18 Trigger Events Using Messages	
Open the Tale Project in ScratchJr and Insert the Characters Send a Message from the Good Guy to the Helper	
Have the Helper Open a Message and Reply to the Good Guy	
Cause a Character to Open a Message and Celebrate	
Turn the Pages to View the Story	
Close ScratchJr	
Session 5 Review: About Messages	
Session 5 Skill Review: Make Them Laugh	
Session 5 Extension Activity: Animate with Coded Messages	86
Session 6 Story Time	
Session 6 Story Time	87
Session 6 Getting Started	
Assignment 19 Edit the Techno Tale	
Assignment 20 Share the Techno Tale	
Invite a Friend to Watch Your Story	
You Are a Great Storyteller	
Assignment 21 I am a Coder	
Session 6 Extension Activity: Connect the Pages	
Appendices	
Appendices	9.4
Appendix A: Assessment Tools	
TechnoTales Skill Summary	
Tales Marking Sheet	
Appendix B: Glossary	
Appardix C: Control Information	00



This section provides valuable information about teaching TechnoTales. It includes a description of the Teacher Guide, as well as an overview of the course. In addition, there are ideas for implementation and technology integration.

For additional guidance, open the course in TechnoHub and select Get Started to access preparatory steps, resource list, and scheduling timetable.

How to Use this Guide

Course Overview

Implementation and Technology Integration Ideas

How to Use This Guide

This Teacher Guide contains the following:

Getting Started – This section contains a course description, as well as ideas for implementation.

Course Instructions – The course is comprised of six sessions, each focused on a problem-solving task that aligns with the project theme. Each session includes assignments that break down the task into manageable steps. The components of each session are as follows:

- Overview An explanation of the session activities and their purpose.
- Materials A list of handouts, sample files, templates, and teacher resource materials needed to teach the session.
- > Teaching Strategies Instructional methods recommended for teaching the activities.
- Lesson Plan A detailed list of each step in the session.
- ➤ Learning Objectives A summary of the content knowledge and technical skills taught throughout the session.
- ➤ Assignments A session consists of assignments completed by students. Actions to be performed on the computer by the student are indicated with a triangle (▷). Background information is indicated with a dash (–).
- Review A session review contains a list of fill-in-the-blank, multiple choice, or short-answer questions intended to review ScratchJr tools and programming knowledge (answers included).
- Skill Review An additional assignment intended to review coding skills (includes completed sample).
- Extension Activity An additional activity that relates to the problem-solving task presented in the session.

Appendices – this section contains additional information or materials including the following resources.

- Assessment Tools Skill summary and marking sheet to evaluate coding skills and the final ScratchJr project.
- Glossary A definition of each term.
- > Contact Information How to contact TechnoKids Inc. for curriculum support.

TechnoTales Overview

Introduction to TechnoTales

In this course, students make a modern fairy tale. Using ScratchJr, they will combine coding blocks to form scripts that animate the story action. The tale will be about a character that overcomes a problem by going on a quest. To live happily ever after, they must find a hidden item and locate someone that can help. What will happen in the "Once Upon a Time" adventure?



Students complete the following tasks:

- In session 1, students are introduced to programming with ScratchJr. To start, they explore the program window to learn about commonly used tools. Afterwards, they investigate the Triggering, Motion, Looks, Sound, Control, and End blocks to discover their function. Once familiar with the coding blocks they build simple scripts to create an animated scene.
- In session 2, students begin to create their *Techno Tale*. Their modern fairy tale will be told by building scripts using coding blocks in ScratchJr. To gain inspiration they watch an example story and answer questions about the setting, characters, and plot. Next, they complete a planning sheet to organize their ideas. Students then design their first story page. It introduces the problem and shows the hero embarking on a quest to find a solution. Motion and Looks blocks are used to animate the action.
- In session 3, students design another page in their Techno Tale. In this part of the story, the hero embarks on a quest. They travel in search of a special item. The reader will join in the hunt by tapping objects on the page. When the correct location is found, the item will reveal itself. Wait and Repeat blocks are used to control the timing of each action.
- In session 4, students create the third page in their *Techno Tale*. In this part of the story, the hero seeks help. If-then logic is used to control the animation. Scripts start only when characters bump into one another. This produces a fun sequence of events. First the hero asks for help. Then the helper goes after the villain. Finally, the bad guy does an action to show the problem is solved. To create this story page, students learn how to display the grid and count steps to direct movement.
- In session 5, students animate their final page in their Techno Tale. At the ending of the tale the characters live happily ever after. Broadcasting is used to organize the timing of events. This form of conditional logic directs scripts to start only when a message is received. It is used to trigger characters to do an action to celebrate the problem being solved.
- In session 6, students share their Techno Tale. To prepare the project for viewers, a checklist is used to guide revisions. The story is then shown to friends and family. At the end of TechnoTales, the young coders reflect upon the learning experience.

Technology Integration Ideas

TechnoTales blends creative writing with coding skills. The activities develop an understanding of programming concepts using a scenario that is fun for children. Your students will enjoy building a modern fairy tale. There are several ways to integrate TechnoTales into curriculum. Below are some suggestions:

- STEM Project: Use the activities in TechnoTales to introduce programming to beginners.
 They learn how to divide a task into steps, sequence instructions, and debug code. In
 addition, they become aware of how conditional logic can be used to trigger actions.
 TechnoTales provides a solid foundation for mastering Scratch or other text-based
 programming languages in the future.
- Creative Writing Unit: Include TechnoTales as a language arts unit. The coding activities
 are a form of visual storytelling and follow the stages of the writing process. To begin,
 students plan their tale. They select story elements including characters, setting, and plot.
 Next, they design pages that explain the events. Scripts are built to animate the action.
 Students use a checklist to review their tale and make revisions. Upon completion, their
 story is shared with an audience.
- Mathematics Problem Solving Unit
 Integrate TechnoTales into Math class. To construct a digital story using code is an ideal
 problem-solving task. Students must determine how to design a set of instructions that will
 animate story events. Instantly they can see the results of their solution. This allows them
 to continue to improve their scripts. Coding a modern fairy tale is a meaningful way to
 apply computational thinking and logical reasoning.
- Social Studies Assignments: TechnoTales includes map making activities that develop spatial thinking. In Session 4 students transform the ScratchJr stage into a grid. They map how to move a character to an exact location. In addition, several extension activities include off-line coding activities that have players provide directions to get from one destination to another.
- Visual Arts Workshop: Teach the Session 2 extension activity to explore digital paint tools.
 Students explore how to create original characters using the ScratchJr Paint Editor tools.
 They can also edit a character and use a camera to insert their own face. This is a great way to express creativity.

Understand the Big Picture

Not sure where to integrate TechnoTales? There are three samples provided for this course. The first sample is a typical fairy tale about a princess saving the kingdom from a dragon. The second sample is about a boy who must find a way to get a hungry polar bear away from his home; and the third is about jungle animals building friendships. View the examples to determine how these activities can be incorporated into your curriculum.





In this session, students begin to create their *Techno Tale*. Their modern fairy tale will be told by building scripts using coding blocks in ScratchJr. To gain inspiration they watch an example story and answer questions about the setting, characters, and plot. Next, they complete a planning sheet to organize their ideas. Students then design their first story page. It introduces the problem and shows the hero embarking on a quest to find a solution. Motion and Looks blocks are used to animate the action.

Assignment 5: View a Techno Tale

Assignment 6: Plan Your Story

Assignment 7: Set the Scene

Assignment 8: What Is the Problem?

Assignment 9: Who Is the Hero?

Session 2 Review: ScratchJr Tools and Scripts

Session 2 Skill Review: The Tale of the Runaway Horse

Session 2 Extension Activity: How to Design a Character

Session 2 Getting Started

Overview

In this session, students begin to create their *Techno Tale*. Their modern fairy tale will be told by building scripts using coding blocks in ScratchJr. To gain inspiration they watch an example story and answer questions about the setting, characters, and plot. Next, they complete a planning sheet to organize their ideas. Students then design their first story page. It introduces the problem and shows the hero embarking on a quest to find a solution. Motion and Looks blocks are used to animate the action.

Materials

- ScratchJr
- Assignment 6 worksheet
- ScratchJr Flashcards: (optional)
 - o ScratchJr Coding Blocks
 - o Interface, Block Categories, Triggering Blocks, Motion Blocks, Looks Blocks, Sound Blocks, End Blocks, Paint Editor
- Sample files:
 - o Tale 1 video
- Session 2 Review: ScratchJr Tools and Scripts
- Session 2 Skill Review: The Tale of the Runaway Horse
 - o horse video
- Session 2 Extension Activity: How to Design a Character

Teacher Preparation

(Refer to the Preparing to Teach section of this guide for instructions)

- Make the files in the Tales folder available to students.
- View the Tale 1 video to gain an understanding of the completed project.
- Gather flashcards to introduce and/or review programming blocks and ScratchJr tools. (optional)

Teaching Strategy

In this session, students plan and organize their ideas. Afterwards, they create the first story page. It will include a title, description, and background. Coding will be used to animate the villain and hero to show what is happening in the beginning. Explain scenario:

In this session, you begin to tell your modern fairy tale. To spark the imagination, you will view sample stories. Next, you complete a planning sheet to decide upon the characters, setting, and plot. ScratchJr is then used to create the first story page. Motion and Looks blocks are combined into scripts to explain what is happening.

Assignment 5: View a Techno Tale

In this assignment, students view a sample video of a Techno Tale created using ScratchJr. To recognize the parts of the story, students answer questions about the characters, setting, and plot. Additional videos are available in the *Tales folder*.

The Techno Tale story is about a princess that must stop a dragon from scaring everyone. The quest begins with the search for a rare mushroom. It will be given as a gift to the wizard. When the wizard is given the mushroom, he agrees to scare away the dragon. At the end of the story, everyone lives happily ever after.

Draw students' attention to the coding techniques used on each story page:









Beginning

Once Upon a Time

- Use the Green Flag to play many scripts.
- Animate using Motion and Looks blocks.

Find a Hidden Item

- Tap an object to trigger an action.
- Pause the action or repeat a sequence.

Middle Get Help

- Bump into an object to trigger an action.
- Count the number of steps using the grid.

End

Happily Ever After

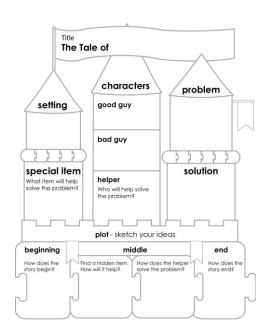
- Send a message to another character.
- Receive the message to trigger an action.

Assignment 6: Plan Your Story

In this assignment, students use a planning sheet to organize their ideas. They must select a title, setting, characters (good guy, bad guy, and helper), special item, problem, and solution.

Story Planning Tips:

- Watch other Techno Tale sample videos to see the variety of stories that can be told.
- Plan a story together to guide students through the organization of ideas.
- View the ScratchJr background and character libraries to recognize the possibilities.
- Use the idea worksheet to help develop a plan
- Complete the Session 2 Extension Activity to edit or paint a character to use in the story.



TIP: Have a look at the available characters and backgrounds to help you choose a story line.

Assignment 7: Set the Scene

In this assignment, students introduce their story to readers. They add a background to illustrate the setting. As well, they type a title and a few sentences to describe the problem.

Introduce the following ScratchJr tools:



Project Information: Name a project.



Add Text: Type a title and sentences on the story page.



Font Size: Pick a size for the text.



Font Color: Pick a color for the text.

Assignment 8: What Is the Problem?

In this assignment, students animate the problem in the story. To start, they learn how to size a character using coding blocks as buttons. Afterwards, they use Motion blocks to move the villain or "bad guy" on the story page. Demonstrate how to change the number of steps in a block.

Introduce the following ScratchJr Looks blocks. They will be used as buttons:



Grow: Increase the size of a character.



Shrink: Decrease the size of a character.



Reset Size: Return a character to its original size.

Introduce the following ScratchJr Motion blocks:



Move Right: Step the character to the right.



Move Left: Step the character to the left.



Move Up: Step the character towards the top of the stage.



Move Down: Step the character towards the bottom of the stage.



Turn Right: Rotate the character clockwise.



Turn Left: Rotate the character counterclockwise.



Hop: Move the character up by an amount and then down again.



Go Home: Return the character to its start point.

Introduce the following ScratchJr tool to help student troubleshoot scripts:

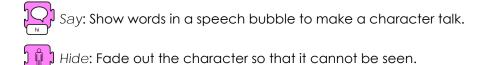


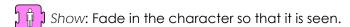
Reset Characters: Place characters in their starting positions on the Stage.

Assignment 9: Who Is the Hero?

In this assignment, students introduce the hero or "good guy". They use the Looks blocks to show how the character reacts to the problem. Upon completion, the story page is viewed as full screen using Presentation Mode.

Introduce the following ScratchJr Looks coding blocks and tools:









Want to Learn Advanced Animation Techniques?

In the Session 2 Skill Review, The Tale of the Runaway Horse, students learn how to:

- move two characters at one time
- change the object order
- make two scripts for one character
- flip a character from left to right
- turn a character all the way around.



Lesson Plan

Assignment 5: View a Techno Tale

- View an example story.
- Answer questions about the characters, setting, and plot.

Assignment 6: Plan Your Story

- Complete the story organizer.
- Use the story ideas to spark creativity. (optional)

Assignment 7: Set the Scene

- Open a new project in ScratchJr.
- Rename the project tale.
- Delete the Cat character.
- Insert a background to illustrate the story setting.
- Add a title to the story. Format the size and font color.
- Describe the problem in the story.
- Close ScratchJr.

Assignment 8: What Is the Problem?

- Open the saved tale project in ScratchJr.
- Insert the villain or "bad guy" onto the story page.
- Adjust the size of the character using Grow, Shrink, and Reset Size blocks as buttons.
- Delete the coding blocks from the programming area.
- Animate the villain. Build a script using Motion blocks to move the character. Set the number of steps to direct the action.
- Close ScratchJr.

Assignment 9: Who Is the Hero?

- Open the saved tale project in ScratchJr.
- Insert the hero or "good guy" onto the story page.
- Build a script to have the hero say I need to get help!
- Animate the hero. Edit the script using Looks blocks to show the character reacting to the problem.
- View the story in Presentation Mode.
- Exit Presentation Mode.
- Close ScratchJr.

Learning Objectives

Language Arts Skills

- identify story elements including characters, setting, and plot
- plan a story using an organizer
- title a story to summarize what it is about
- apply writing skills to describe the problem in a story
- illustrate the setting and characters in a story using images from a digital library

Programming Skills

Programming Basics

- add a coding block into the programming area
- use a coding block as an action button
- connect coding blocks together to form a script
- direct how a character moves and looks using coding blocks
- edit a script by adjusting the values of a coding block to achieve a desired outcome

ScratchJr Basics

- open and close a program
- create a new project
- name a project
- run or stop a program
- view a project in Presentation Mode

Working with Text and Backdrops

- add text to the stage
- format the font size and color of the text
- position the text on the stage
- add a backdrop from a library

Trigger a Script

• trigger a script to run when the Green Flag is pressed

Move a Character with Motion Blocks

- move a character left, right, up, or down on the stage
- turn a character clockwise or counterclockwise on the stage
- cause a character to hop up and down on the stage
- return a character to its starting position on the stage
- set the number of steps in a Motion block to control the amount of movement

Set Character Appearance with Looks Blocks

- delete a character from the stage
- add a character from a library
- position the start point of a character on the stage
- set the amount the character grows or shrinks
- reset to return a character to its original size
- make a character talk using a speech bubble
- show or hide a character from view
- insert a photo inside a ScratchJr character's face using the Paint Editor and a digital camera (optional)
- edit a character using the Paint Editor (optional)

Applied Technology

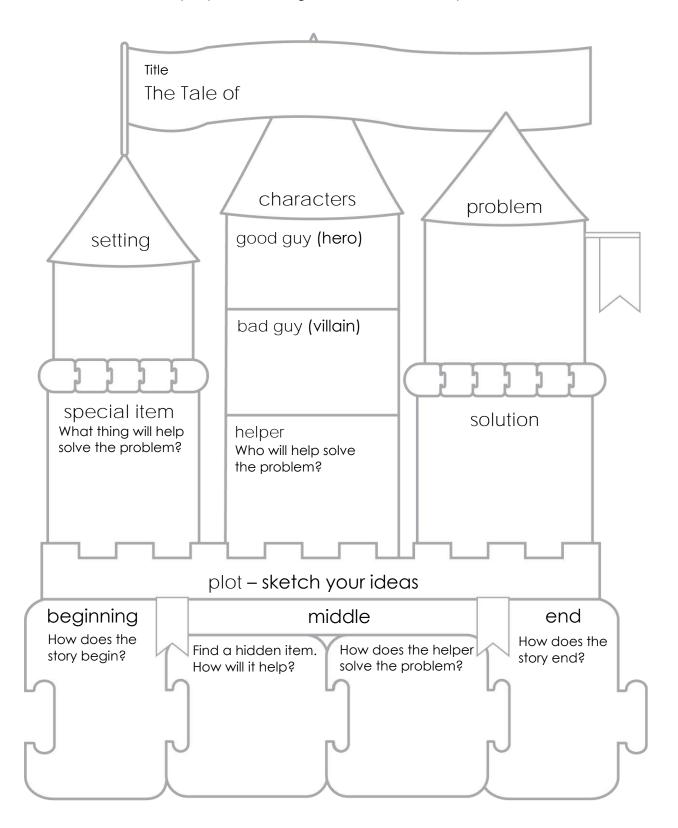
convert story events into scripts that animate the action in a story



Assignment 6 Plan Your Story

What is your tale going to be about? If you need help read the ideas on the next page.

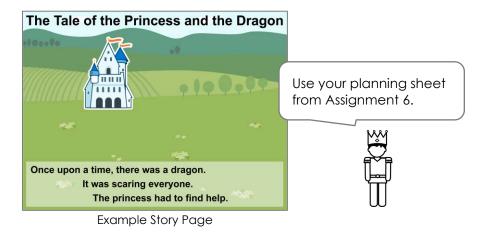
View the ScratchJr library to pick the setting, characters, item, and plot.





Assignment 7 Set the Scene

You are ready to make the first page in your story. It will include a background, title, and a sentence that starts, Once upon a time....



Open a New Project in ScratchJr and Name It

1. ▷ Open a new project in ScratchJr.







Add a Background



▷ Click Change Background.









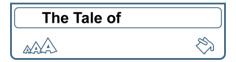


Add a Title for the Story

3. ▷ Click Add Text.



▶ Type a title such as The Tale of _____.



The title should tell about the story.

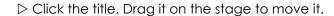


4. ▷ Click Font Size.









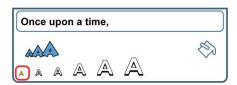


Describe the Problem in the Story

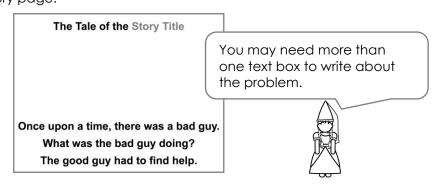


 \triangleright Pick the smallest size. ${\Bbb A}$ ${\Bbb A}$ ${\Bbb A}$ ${\Bbb A}$

▶ Type Once upon a time, what is the problem?



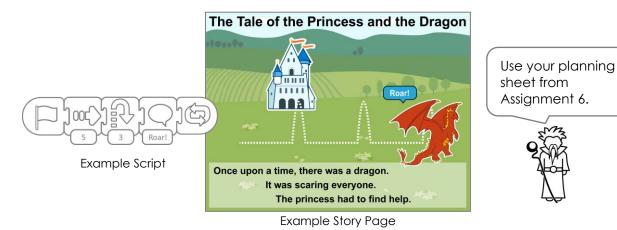
 \triangleright Place the text on the story page.



Close ScratchJr

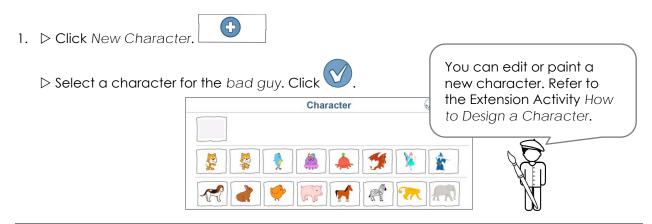
Assignment 8 What Is the Problem?

In this assignment, you add the "bad guy" character to the story page. You will use Motion blocks to animate the problem.



Open the Tale Project in ScratchJr

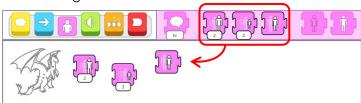
Add the Bad Guy Character



Change the Size of the Character

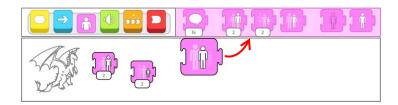
2. Click Looks. Add Grow, Shrink, and Reset Size.

Click each block to change the size.



Delete Coding Blocks

- 3. ▷ Drag a block back into the palette.
 - ▷ Repeat for each block.

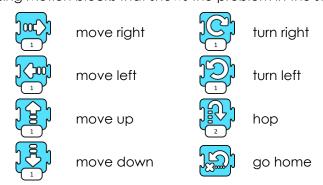


Move a Character to Show the Problem in the Story

- 4. Click Triggering. Add Start on Green Flag.
 - ▷ Click Motion. Add Move Right.
 - ▷ Click the number on the block. Use the number pad to set the steps.



Description Descr



▶ Play the story.

Tips:

- Click Reset Characters to move the character back to its starting spot.
- Add a Say block to the script to make the bad guy talk.
- Add a Repeat Forever block to have the action loop and never stop.



Close ScratchJr





In this session, students design another page in their *Techno Tale*. In this part of the story, the hero embarks on a quest. They travel in search of a special item. The reader will join in the hunt by tapping objects on the page. When the correct location is found, the item will reveal itself. Wait and Repeat blocks are used to control the timing of each action.

Assignment 10: Help the Hero

Assignment 11: Hide the Special Item

Assignment 12: Animate Objects on the Story Page

Session 3 Review: About Wait and Repeat

Session 3 Skill Review: The Quest for the Fallen Star

Session 3 Extension Activity: Set the Speed

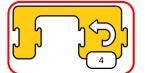


Session 3 Review: About Wait and Repeat

What Block Will Do the Job?

Circle the correct block.

1. Do a set of actions four times.





2. Wait before the next action happens.



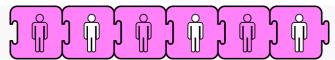


3. Tap to start an action.



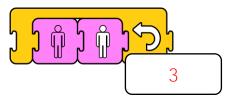


Rewrite the Code using Repeat



4. Look at the blocks above.

How many times must you repeat the blocks to do the same action?



Add a Block to Fix the Code



5. Which block will wait before the character turns right?





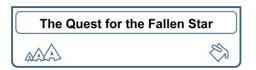
Session 3 Skill Review: The Ouest for the Fallen Star

Apply your coding skills to design a *quest*. A quest is a search for something. You will make a hunt for a fallen star. When tapped, each item on the page will give a clue about where it is hidden.



- 1. Open a new project in ScratchJr.
- 2. Name the project quest. Click
- 3. Delete the Cat.
- 4. Click Change Background. Pick Jungle.
- 5. Click Add Text.

 Type the title The Quest for the Fallen Star



- 6. Use Add Text to type the story:
 A star fell from the sky.
 Tap around to find it.
- 7. Click New Character. Pick Star. Dick Star



8. Click New Character. Pick a Mushroom. Place the mushroom over the star.

Build a script. Hide the mushroom when tapped.





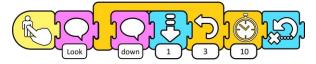
9. Add a Snake.

Build a script. Point to the star when tapped. For example:

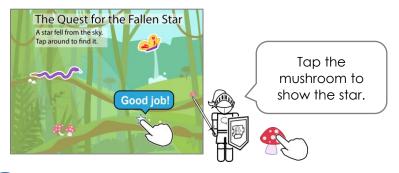


10. Add a Butterfly.

Build a script. Give a clue. For example:



11. Click Presentation Mode. Tap the objects on the story page.



12. Click Reset Characters.



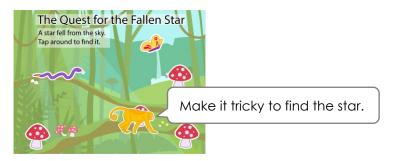
- 13. Use your skills to make the story page even better! Pick an idea:
 - \square Add a pop sound when the star is found.



☐ Add a in front of the mushroom. It hides when tapped.



☐ Add more mushrooms to make it harder to find the right one.



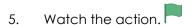
14. Close ScratchJr.

Session 3 Extension Activity: Set the Speed

You can set the speed of the action. It can be slow, medium, or fast. Try it!



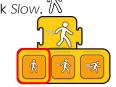
- 1. Open a project in ScratchJr.
- 2. Name the project speed. Click .
- 3. Select the Cat.
- 4. Build a script to move the cat ten steps.







7. Click the Set Speed arrow. Pick Slow.



- 8. Watch the action.
- 9. Change the speed to fast. Watch the action again.
- 10. Use your skills to add more characters and move them at different speeds.
- 11. Close ScratchJr.





In this session, students share their Techno Tale. To prepare the project for viewers, a checklist is used to guide revisions. The story is then shown to friends and family. At the end of TechnoTales, the young coders reflect upon the learning experience.

Assignment 19: Edit the Techno Tale

Assignment 20: Share the Techno Tale

Assignment 21: I Am a Coder

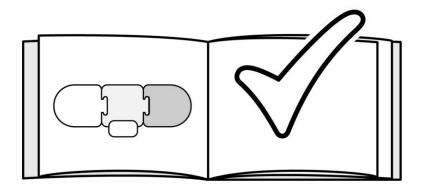
Session 6 Extension Activity: Connect the Pages



Assignment 19 Edit the Techno Tale

Is your story ready to share?

Complete the checklist. Edit any item without a checkmark.





The page tells about the problem in the story.	
The hero and bad guy are in the scene.	
Motion and Look blocks animate the action.	



The page tells why the hero needs a special item.	
An object when tapped shows the special item.	
Many objects on the page animate when tapped.	
Wait or Repeat blocks set the timing of the action.	



The page tells how the helper will solve the problem.	
The action of the characters starts when bumped.	
The number of steps sets how a character moves.	



The page tells what happens at the end of the story.	

Messages trigger when an action happens.

The animation shows that the problem is solved.



Assignment 21 I am a Coder

You did a great job making a story using ScratchJr. What did you think about the course?

1. How much did you learn about coding?



IOt



some



not much

2. What do you think about ScratchJr?



love it



like it



dislike it

Why?

3. What part of the story did you like to make the most?



Once Upon a Time Page 1



Find a Hidden Item Page 2



Get Help Page 3



Happily Ever After Page 4

Mhàs

4. What was the most difficult part to code?



5. What one tip would you give to someone new to using ScratchJr?





Refer to the appendices for additional resources:

Appendix A - Assessment Tools

Appendix B - Glossary

Appendix C - Contact Information



Tales Marking Sheet

		Excellent Work!	Doing Great!	Keep Trying!
	The Tale: The story has a beginning, middle, and end. There is a hero, bad guy, and helper. There is a problem which is solved with a special item.	[[]	J <u>©</u> <u>©</u> J	
	Animation: Animated action helps to tell the story. Objects can be tapped to animate and to find a hidden item. Characters bump to move and solve the problem. Messages set the timing and control the order of the action.	[[]	<u>J</u>	
-\	Creativity and Design: The story idea is original. The characters and backgrounds suit the story. The text is easy to read.	[[]	J @	

