

Lesson 10: Designing a New Character

Powerful Ideas of Computer Science	Design Process
Powerful Ideas of Literacy	Writing Process
PTD	Creativity, Content Creation
Palette of Virtues	Open-Mindedness
Children will be able to...	<ul style="list-style-type: none"> • Identify similarities between writing and programming • Identify the characters in a story.
Vocabulary	
Teacher Preparation	<ul style="list-style-type: none"> <input type="checkbox"/> Read lesson plan <input type="checkbox"/> Have the Anchor Chart for Design Process slideshow ready to be projected <input type="checkbox"/> Have Rosie Revere, Engineer by Andrea Beaty (ISBN-13: 9781419708459) available
<p>Warm Up (<i>Whole Group</i>)</p> <ul style="list-style-type: none"> • Design Process Song (<i>Suggested Time: 5 minutes</i>) <ul style="list-style-type: none"> ○ Display the Design Process Anchor Chart on the screen ○ Sing the <i>Design Process</i> song again! <p style="text-align: center;"> <i>(to the tune of “Twinkle, Twinkle”)</i> <u>Ask and imagine, plan and create,</u> <u>Test and improve and share what we make.</u> <u>(Repeat)</u> </p> <p>Word Time (<i>Whole Group</i>)</p> <ul style="list-style-type: none"> • Rosie Revere, Engineer (<i>Suggested Time: 10 minutes</i>) <ul style="list-style-type: none"> ○ Read <i>Rosie Revere, Engineer</i> together as a class. 	

Opening Tech Circle *(Whole Group)*

- **Make Rosie in ScratchJr** *(Suggested Time: 5 minutes)*
 - Explain to children that today they will create their very own Rosie in ScratchJr
 - Display a few scenes from the story for children to reference.
 - Ask the children questions about Rosie to gather details.
 - E.g.. “What color is Rosie’s hair?” “What is Rosie wearing?”

ScratchJr Time *(Whole Group; Small Group or Pairs)*

Structure Challenge *(Suggested Time: 5 minutes)*

- **Paint Editor Tool Refresher**
 - Remind children of the [Paint Editor tool](#) they used for their Teddy Bear programs in Lesson 7!

Expressive Explorations *(Suggested Time: 10 minutes)*

- **Create Your Own Rosie**
 - Take out tablets and remind children of any rules or procedures.
 - Given children time to create their Rosie

Closing Tech Circle *(Small Group)*

- **Project Share** *(Suggested Time: 5 minutes)*
 - In small groups, have children share their Rosies they created. Encourage children to compliment each other's Rosies and ask each other questions.

Opportunities for Differentiation

- **Read Along Link**
 - Refer to [Rosie Revere, Engineer Read Aloud](#) if the physical book cannot be accessed or if teaching in a virtual format (select 1080p HD for best quality).