



# Let's Find Out About It: Bridges

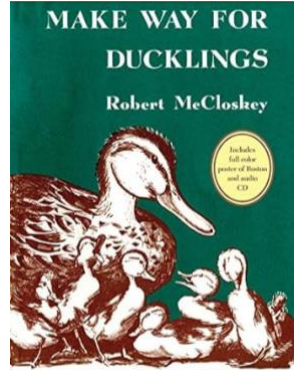
Standard Connection:  
 ELA.RI.PK4.2  
 ELA.L.PK4.5  
 M.MD.PK4.3  
 M.G.PK4.2  
 S.PS.PK4.2  
 S.PS.PK4.3a  
 SS.OW.PK4.2  
 SS.FC.PK4.7

**Enduring Understanding(s):**

- People impact their environments in different ways.

**Essential Question(s):**

- How do people impact the environment in positive or negative ways?

Materials	Vocabulary	Books
<ul style="list-style-type: none"> <li>• <i>Make Way for Ducklings</i></li> <li>• images of bridges (see Resource)</li> </ul>	<p><b>blueprints:</b> a picture of an engineer's plans</p> <p><b>engineer:</b> a designer or builder of bridges</p> <p><b>(highway-, foot-, suspension-) bridge:</b> a roadway or path that goes over water or land</p>	<p><b>obstacle:</b> something that is difficult to travel across</p> <p><b>sturdy:</b> strong</p> <p><b>truss(-es):</b> tall structures used to build bridges</p> 

## Let's Find Out About It:

*Preparation: Set up materials.*

<p>"In <i>Make Way for Ducklings</i>, Mr. and Mrs. Mallard made nests by the water. What do you notice?"</p>	<p>Show illustrations. <b>Children respond.</b></p>
<p>"Their first nest was near a large <b>highway bridge</b> - a <b>bridge</b> that connects two cities. Their nest in the Boston Public Garden was near a smaller <b>footbridge</b> - a <b>bridge</b> for people to walk on. "</p>	
<p>"Water is an <b>obstacle</b> - something that is difficult or dangerous to travel across, so a <b>bridge</b> helps people get from one side to the other safely."</p>	
<p>"Here are images of other <b>bridges</b>. What do you notice?"</p>	<p>Show images. <b>Children respond.</b></p>
<p>"<b>Bridges</b> are different shapes, sizes, and colors. <b>Bridges</b> built with strong cables connected to towers are called <b>suspension bridges</b>. Railroad <b>bridges</b> are made of tall metal structures called <b>trusses</b>."</p>	
<p>"Here is an image of someone planning to build a <b>bridge</b>. What do you notice?"</p>	<p>Show images. <b>Children respond.</b></p>
<p>"People who build <b>bridges</b> are called <b>engineers</b>. <b>Engineers</b> decide what materials are needed for a <b>sturdy</b> – strong - <b>bridge</b>. They use blueprints to plan their construction."</p>	