

Building Bridges Rubric

	Novice	Apprentice	Practitioner	Expert
Bridge Plans	plans bridge on graph paper	<ul style="list-style-type: none"> ▪ graph paper plans mostly match construction ▪ estimates inventory needs 	<ul style="list-style-type: none"> ▪ graph paper plans match construction ▪ estimates inventory needs and costs ▪ completion dates are scheduled and followed 	all of <i>Practitioner</i> plus bridge is completed on time and under budget
Record Keeping	<ul style="list-style-type: none"> ▪ warehouse records match balance sheet with the help of an audit ▪ most calculations are accurate 	<ul style="list-style-type: none"> ▪ warehouse records match balance sheet ▪ all calculations are accurate ▪ order forms are handed in as supplies are needed 	<ul style="list-style-type: none"> ▪ warehouse records match balance sheet ▪ all calculations are accurate ▪ order forms are handed in before supplies are needed 	all of <i>Practitioner</i> plus any discrepancies in records are found and corrected
Bridge Design	<ul style="list-style-type: none"> ▪ bridge is level ▪ bridge uses beam, arch, or suspension model 	<ul style="list-style-type: none"> ▪ bridge is level ▪ bridge uses appropriate beam, arch, or suspension model 	<ul style="list-style-type: none"> ▪ bridge is level ▪ bridge uses appropriate beam, arch, or suspension model ▪ explains why specific design was chosen 	all of <i>Practitioner</i> plus plans for problems such as flash floods or extreme winds
Bridge Strength	holds 250 grams	holds 500 grams	holds 750 grams	all of <i>Practitioner</i> plus holds 1000 grams or more
Construction Code	construction site is cleaned up at the end of each day	<ul style="list-style-type: none"> ▪ Construction site is cleaned up at the end of each day ▪ other bridges under construction are respected 	<ul style="list-style-type: none"> ▪ construction site is cleaned up at the end of each day ▪ other bridges under construction are respected ▪ height and width of bridge are built to code 	all of <i>Practitioner</i> plus other construction companies are supported