

Wee Engineer – One Unit, Four Challenges

Engineering Challenge	Science Concept Connections	Science Standards of Learning
		Kindergarten
Noisemakers	<ul style="list-style-type: none"> • forces • sound • properties of materials 	K.1a-f K.3a-d K.5b
Fans	<ul style="list-style-type: none"> • forces • properties of materials 	K.1a-f K.2a, c K.3a-d K.5b
Wrecking Balls	<ul style="list-style-type: none"> • weight • force and motion • action and reaction 	K.1a-f K.2a-c K.3a-d
Rafts	<ul style="list-style-type: none"> • sinking and floating 	K.1a-f K.3a-d K.4a

EiE for Kindergarten – Two Units				
Unit	Science Concept Connections	Science Standards of Learning		
		Kindergarten		
Raise the Roof: Designing Shelters	<ul style="list-style-type: none"> • light and shadow • the warming effect of the Sun • animals and animal needs 	<table> <tr> <td>K.1a-f K.3a-d K.5b K.7a</td> <td>K.8a-c K.9a K.11c</td> </tr> </table>	K.1a-f K.3a-d K.5b K.7a	K.8a-c K.9a K.11c
K.1a-f K.3a-d K.5b K.7a	K.8a-c K.9a K.11c			
Here's the Scoop: Designing Trash Collectors	<ul style="list-style-type: none"> • the basic needs of living things • animal habitats and ecosystems • human impact on the environment • recycling and environmental stewardship 	<table> <tr> <td>K.1a-f K.2a-c K.3a-d K.4a-b</td> <td>K.7a K.10a-d K.11c</td> </tr> </table>	K.1a-f K.2a-c K.3a-d K.4a-b	K.7a K.10a-d K.11c
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