**Making PLTW Accessible to All Students**

PART A:

PLTW’s kindergarten unit on structure and function has the following engineering challenges.

* Build the highest “beanstalk” you can with 10 green pipe cleaners
* Get your “beanstalk” to hold a plastic egg as high as you can off the ground
* Build a house to protect a little pig from a wolf’s blowing (given straw, sticks and bricks)
* Design a paint brush (given a whole variety of craft supplies)

What would students need to understand in order to do these challenges effectively and talk about the design choices they are making?

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| **Take-away from PART A** |

PART B:

Explain how rivers and lakes are different. Explain what causes that difference.

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| **Take-away from PART B** |

**Bodies of Water Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Draw a model of how water moves on hills and in valleys.

Labels: Stream, River, Pond, Lake

Describe how water moves on hills and in valleys.

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Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How will wind erosion shape these rocks?

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PART C:



Explain how this landform got created.

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| **Take-away from PART C** |

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How was this canyon created?

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Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_

How did erosion change the shape of the land?

Picture # \_\_\_\_\_

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| Before\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
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