Up In the Tree House

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Let's Read

The Asia Foundation

Wow, that bird was so beautiful! What kind of bird was it? Kiara wanted to know.

Jati also wanted to see the birds. He climbed up noisily.

Oh no, the bird flew away. Jati’s noises must have startled it.

Kiara needed to get her binoculars. Hopefully the bird did not fly away again.

Good, the bird was still there! What bird was that?

Kiara had to check it out in the bird book.

She also needed to get some other stuff. But how would she carry them?

Hmm … this blanket could be made into a bag.

It was so heavy! Kiara couldn’t carry it.

Maybe Kiara had to carry them one by one.
Up again. Down again.
Ouch, this was tiring. Kiara needed to think of another way.

Should Kiara ask for Dad’s help?

Or ask for Jati’s help?

Aha! Kiara knew. The stuff could be pulled using a rope.

This rope seemed strong enough.

Kiara only needed to take the end of the rope with her. Then she would pull the bird book up.<span style=”color: rgb(0,0,0);font-size: 16px”>

Ugh, it was not easy. The book was often stuck on the stairs.

The book felt heavy and the rope did not move smoothly.

Kiara thought hard. Rope movements needed to be smoothed out. What could be useful in this case?

Hey, there was Jati’s spool! Kiara could make it into a pulley.

The spool would rotate with the rope. Uh, oh, the spool almost came off!

There, this rag would hold the spool. Now the rope could move smoothly.

Pull!

Finally, the blanket of stuff was pulled up with ease.

Hooray! This pulley was a great relief.

Listen! The bird was chirping. Kiara could bird watch! But she suddenly felt hungry. Hey, whose voice was that?

It was Mom’s! Mom sent food for them.

Let’s Learn About: Pulleys

Do you know why Jati’s kite spool helped Kiara? When the rope is directly pulled over the fence wood, the friction of the rope against the wood holds the rope. The rope cannot be pulled easily. Meanwhile, the spool rotates with the rope, so that the rope moves smoothly. This arrangement of tools is called a hoist or pulley. With pulleys, heavy loads become lighter and easier to lift.

Illustrated dictionary

Spool = bobbin; bobbin; a cylindrical device for winding yarn (wire, plastic rope, etc.).

Hanger = hook; a device for attaching something.

Pulley = hoist; lifting device.

Bird book = a book containing descriptions of various birds. It includes photos or drawings, descriptions of their habitat, diet, and other notes.

This book development project focuses on science, technology, engineering, and mathematics (abbreviated as STEM) themes in children's daily lives. This project involves almost all female writers, illustrators, editors, and designers. This book was developed through a book development workshop held in collaboration with Litara Foundation and The Asia Foundation through the Let's Read program with the support of Estee

Lauder Companies Charity Foundation (ELCCF). Let’s Read is a digital library platform with a collection of thousands of children’s storybooks that can be accessed easily and for free. Mentoring along with story, text, illustration, and design editing are carried out by the Litara Foundation. The Litara Foundation is a nonprofit organization dedicated to promoting literacy through children’s books.

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