

THE LEARNER IS WORRIED THAT ...

Time is short and they might not be able to finish their idea before they need to leave.

No **Yes**

Reassure them that they probably have time for one more small change and test.

Why don't you test what you have, and we will see what happens?

Acknowledge that sometimes we do run out of time and ask what would you do if you had more time?

Give them a "clue" something that will make the most of the time they have left to design and test.

Their design fell apart during the first test and therefore they don't know how to make a habitat.

No **Yes**

Point out a part of the design that was promising / "successful"

Acknowledge what happened but reassure them that this is part of the design process and they can make a change and test again!

Use some humor! Ask: Have you ever made a habitat before? (likely the answer is no) You're just getting to know the materials, I bet you can come up with a new idea!

Remind them that testing and redesigning is a part of the process! Talk about what happened and provide some "hints" for what to try next.

Their design doesn't fit inside the "rocket" and therefore it won't work and isn't worth trying.

No **Yes**

Encourage them to try and see what happens. Reassure them that you won't launch the rocket if it doesn't fit.

Suggest that they give it a try and use it as an opportunity to notice what they might need to change to get it to fit inside next time!

Look at the materials together and brainstorm some possible changes (i.e. swap out yellow rods for red)

Notice something that is working with the design and suggest they try to do more of that.

Their habitat won't be the Zone 2 record.

No **Yes**

Ask them to reflect on their last design and notice any improvements.

Remind them that they can keep redesigning if that's their goal!

Remind them what the zones mean and reflect together on what they could change to get into Zone 2 next time.

Share something you notice3d that was successful about the design & encourage redesign

Do you agree?