Getting Past Your Expert Blind Spot

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THE TRUCKIN' STAR PROBLEM
I taught Stripe how to whistle

I don't hear him whistling

I said I taught him. I didn't say he learned it
The Mind Is Not A Blank Slate

It Comes With Many Preconceptions
What image comes to mind when I say House
What image comes to mind when I say

Wave
Mirror, Mirror on the Wall

How Come I Don’t Understand You at All
Seed to Tree Dilemma

Where Did All That Mass Come From
At the edge of the woods there was a pond, and there a minnow and a tadpole swam among the weeds. They were inseparable friends.
One morning the tadpole discovered that during the night he had grown two little legs.

“Look” he said triumphantly. “Look, I am a frog!”

“Nonsense,” said the minnow. “How could you be a frog if only last night you were a little fish, just like me!”

They argued and argued until finally the tadpole said, “Frogs are frogs and fish is fish and that’s that!”
And then one fine day, a real frog now, he climbed out of the water and onto the grassy bank.
Then one day, with a happy splash that shook the weeds, the frog jumped into the pond.

“Where have you been?” asked the fish excitedly.

“I have been about the world—hopping here and there,” said the frog, “and I have seen extraordinary things.”
“And people!” said the frog. “Men, women, children!” And he talked and talked until it was dark in the pond.

But the picture in the fish’s mind was full of lights and color and marvelous things and he couldn’t sleep. Ah, if he could only jump about like his friend and see that wonderful world.
Building A Common Vision
Getting Past your Expert Blind Spot

• Understand the preconceptions your audience has about the subject and build from this understanding.
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- Use terms that the audience understand and introduce new terms with reference to concepts audience knows.
JOHANNES KEPLER’S UPHILL BATTLE

...SO, YOU SEE, THE ORBIT OF A PLANET IS ELLIPTICAL.

WHAT’S AN ORBIT?

WHAT’S A PLANET?

WHAT’S ‘ELLIPtical’?
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• Embed ongoing assessment experiences that allow you to know how well audience understand what you are presenting (i.e. Ask questions).
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• Embed ongoing assessment experiences that allow you to know how well audience understand what you are presenting (i.e. Ask questions).
• Encourage audience to reflect on their understanding of a subject with others to understand how their view of a subject is changing.
Learning is not one stop shopping

People learn concepts over an extended period of time through multiple experiences
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