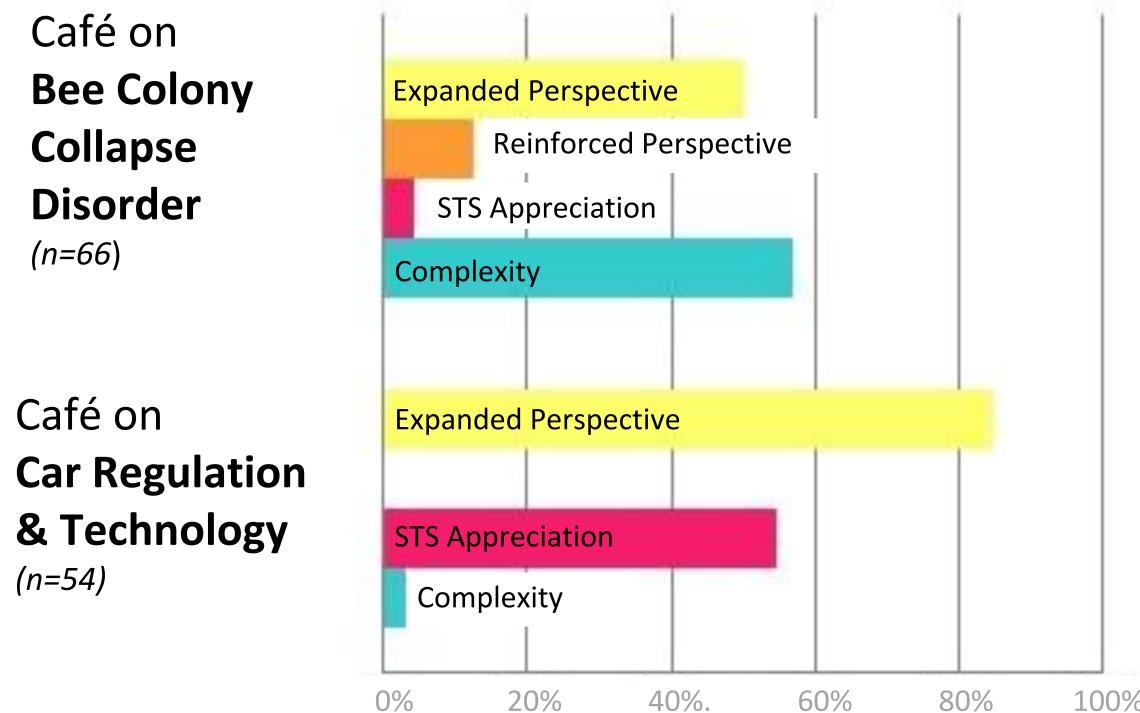


Construct B SCIENCE AS HUMAN ENDEAVOR What is doing scientific work like and why?

Described one or mo scholar broadened t
Shared how scholar matched or refined t existing beliefs
Noted importance of historical, social and interdisciplinary ana
Noted wide range of involved





How do 'Science & Society' perspectives shape adult structured learning?

Karen Rader¹ and Cynthia Gibbs² ¹ VCU History & STS Program ²Science Pub RVA & Community Ideas Stations

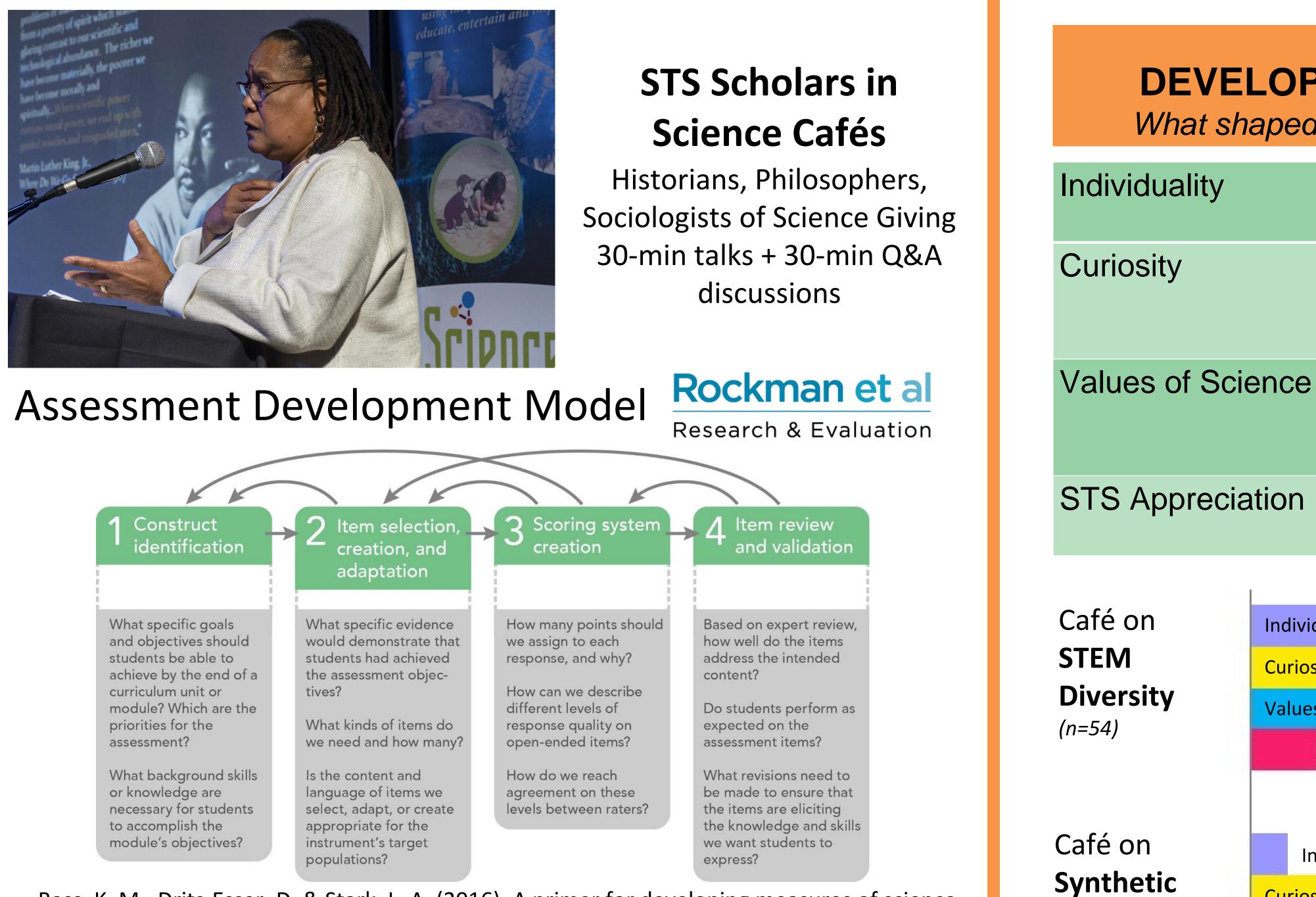
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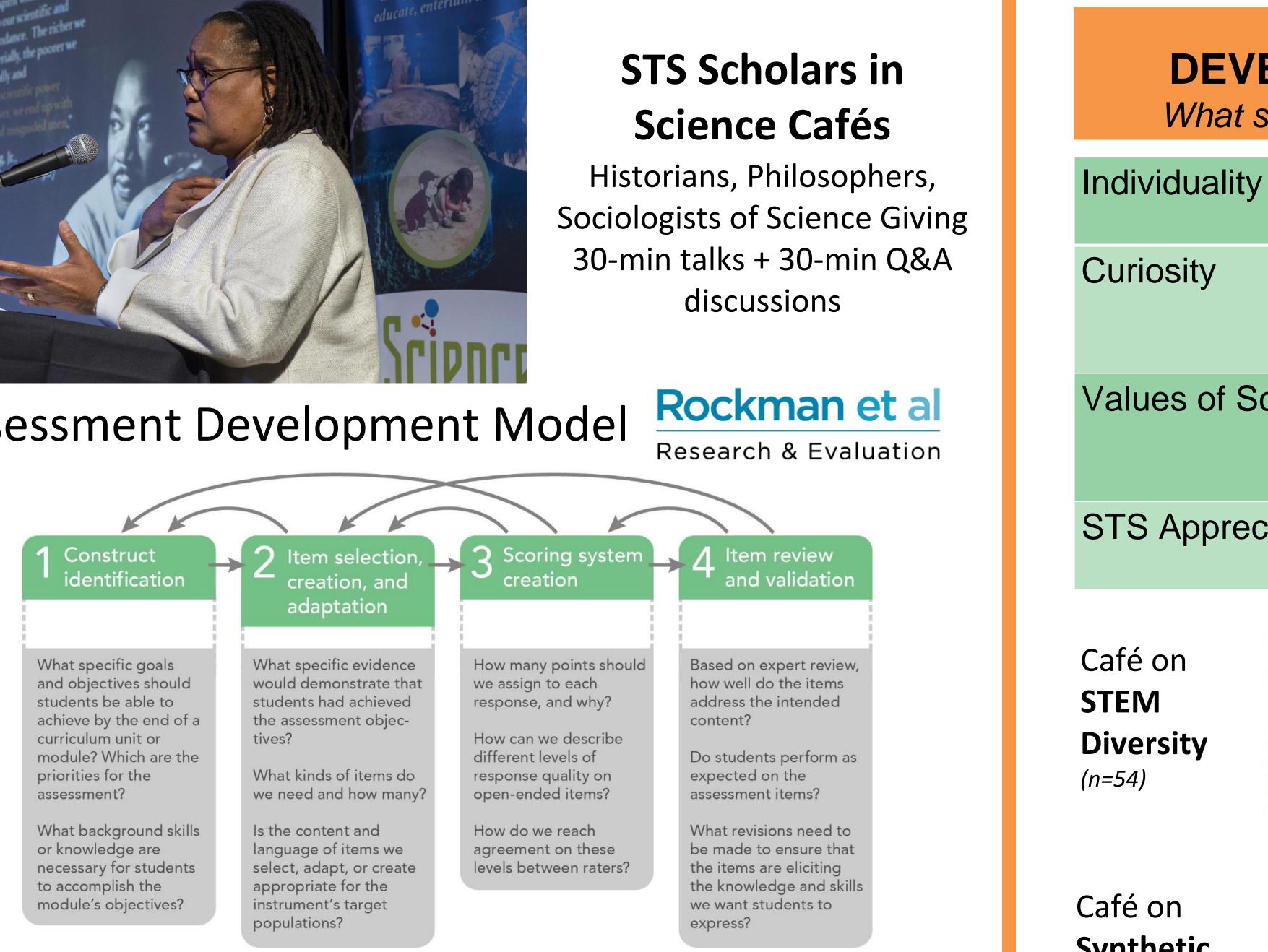
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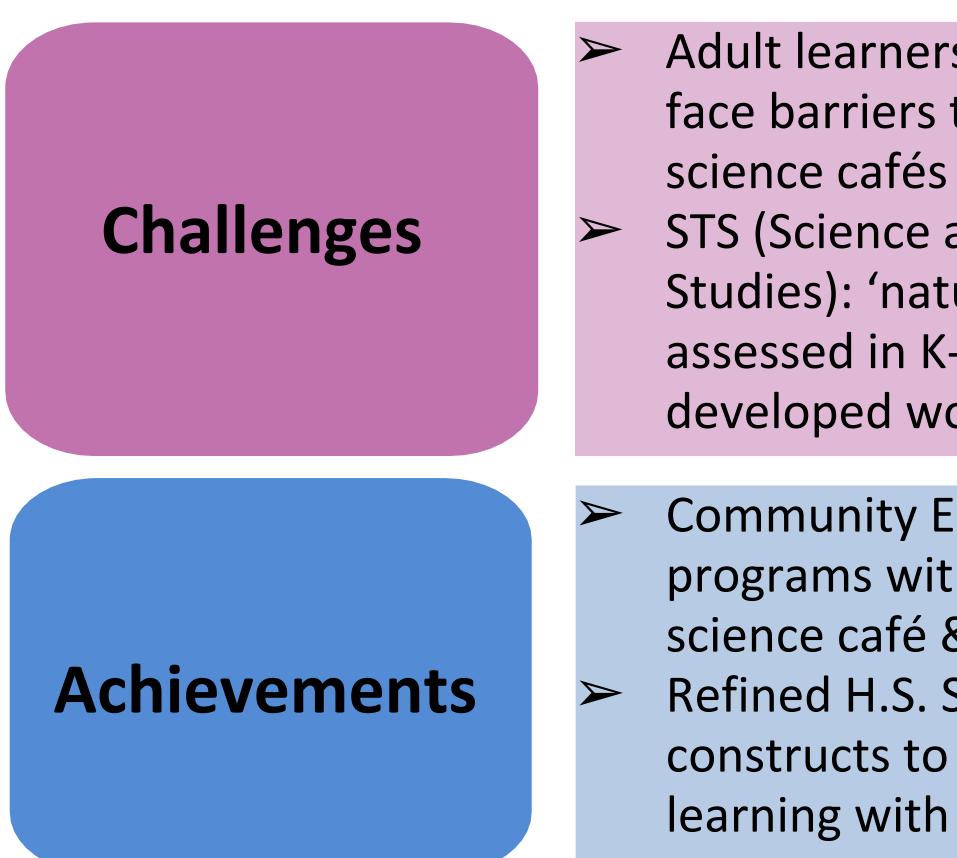
f factors

100%





Bass, K. M., Drits-Esser, D. & Stark, L. A. (2016). A primer for developing measures of science content knowledge for small-scale research & instructional use . CBE-Life Sci. Ed., 15(2),114.







Curiosity

Curiosity

0%

Biology

(n=78)

Adult learners not blank slates & face barriers to participation in STS (Science and Technology Studies): 'nature of science' assessed in K-12 but less developed work on ISE

Community Engagement: Six programs with Richmond, VA science café & university partners Refined H.S. STS assessment constructs to assess lifelong learning with flexible curriculum



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Construct C DEVELOPMENT OF SCIENCE IDEAS What shaped the growth of scientific knowledge?

Described unique recreative
Described unique perspective
and drive of scientist as primary
Expressed importance of "questioning" or "inquiry"
Declared knowledge was shaped by science's values or norms
Commented on STS idea that had shaped their perspective

