MA’AT STANDARD. INTERDISCIPLINARY RESEARCH SIMULATION TASK

Black Apollo of Science

An interdisciplinary companion to Kenneth R. Manning’s biography

First Name: _____ Last Name: _____

Date: _____ Class: _____

NJSLS: Social Studies inquiry and evidence practices; ELA RI.CR.6.1, RI.CI.6.2, W.AW.6.1; Science MS-LS1-2 partial animal-cell modeling and investigation practices; Mathematics 7.RP.A.3.
National: CCSS RH.6–8.1, .2; WHST.6–8.1, .9; 7.RP.A.3; NGSS modeling, structure/function, and data-analysis practices; C3 D2.His.14.9–12, D3.1.9–12. Grade pathways in teacher guide.

CENTRAL QUESTION

HOW DO SCIENTIFIC METHODS, GEOGRAPHY, AND INSTITUTIONAL POWER SHAPE THE PRODUCTION AND RECOGNITION OF KNOWLEDGE?

Objective: Connect biography, biology, mathematics, geography, and civics.
DOL: Synthesize historical evidence, a cell model, a numerical comparison, and a geographic or civic connection.

DO NOW

What must a history of a scientist explain beyond dates and awards?

Day 1. Source A. A biography asks an institutional question.

Kenneth R. Manning’s Black Apollo of Science: The Life of Ernest Everett Just was published by Oxford University Press in 1983. MIT’s description places the biography at the intersection of Black history, institutional history, political history, and the history of science. It identifies the attitudes of scientists and foundation officers as a central concern. [1]

Read as a scholar: Separate an event from the author’s interpretation. Ask which documents support a claim about institutional power and how the scientific ideas are explained. A strong question requires more than dates and praise.

Book strand: Use a lawful copy of Manning. Read a teacher-selected formation episode; record chapter and page. Days 2 to 4 use research, opportunity, and legacy passages. Packet readings are attributed summaries and original instruction, not Manning excerpts. Book pages vary by edition.

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Day 1. Interdisciplinary investigation

1. History and ELA: What claim does A support about the biography’s scope? Identify an authorial choice in your selected book passage and explain its effect.

2. Scientific literacy: Explain why scientific achievement must be studied through a question, a method, and an interpretation. Identify which elements your selected passage documents.

3. Collaborative inquiry: Form a question requiring historical and scientific evidence. Identify one source each discipline would contribute. Rotate historian, scientist, quantitative analyst, and geographic/civic analyst roles.

QUICK WRITE
Explain why a rigorous biography examines both ideas and institutional opportunity. Use A and the assigned book passage when available.

Exit Ticket: Name one conclusion that awards alone cannot establish.

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