

TEXT ADOPTION REQUEST

2020F3

Instructional Materials Committee

Text Title *The Physics of the Future- How Science Will Shape Human Destiny and Our Daily Lives by the Year 2100*
Author Michio Kaku

Publisher Anchor Books (Division of Random House)

Copyright Date 2011

Course Title and Grade Level Futurology (12th grade)

This text is: New Replacing (Title)

Number of Copies Needed 35 Unit Price \$10.98 (paperback)

This text is intended for use during 2020-2021

I have taken the following steps to determine the suitability of the above text:

(Yes) 1. I have read it and found that it meets the criteria of the district Instructional Materials Committee, including criteria for the elimination of sex bias. This is a mandatory step.

(Yes) 2. I have compared it with these other available texts: I have researched and browsed other titles- Most other "futurology" books deal with a specific topic, usually related to the economy or climate change. This book focuses on the science that will influence society, rather than one specific aspect. It is also written by a scientist.

(Yes) 3. I have compared review of it with review of these other available texts: (see above)

(Yes) 4. I have evaluated the reading level and found it averages about grade : (Lexile 1200L) Reading Level is 11th-12th grade. (Note: reading levels are super subjective. A text dealing with science often has multisyllabic words which will dramatically raise reading levels)

(No) 5. I have used the text on a trial basis for about weeks, per district policy and the Curriculum Director's approval.

() 6. Other

Text Selector Signature

Date:

Approval dates

Principal or Dept. Head Asha Riley



Date: 6/3/2020

Instructional Materials Committee

Date:

Limitations:

Board of Directors Approval

Date:

Evaluated By: Jason Cowley

Date: 05/05/2020

Department: English

School: High School

Subject Area: English

Author: Michio Kaku

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Reading Level (Use Fry Readability Graph): Fry= 10th grade (almost 11). Lexile has it at 1200L, or 11-12 grade.

Fry data:

Average # of syllables per 100 words: **151**

Average # of sentences per 100 words: **4.2**

Use extra sheet or back if necessary.

1. Will this material be the basic text or will it supplement the basic text? As much as this course will have a basic text, it will be this. We will use the book as part of weekly class discussions for approximately 10-16 weeks of the semester.
2. How did you become aware of this material? (Professional journals, salesman, publisher's catalog, know someone who has used it, used material before, etc.) Recommended by a colleague who is interested in this sort of stuff.

This book is part of the "popular science" genre. It is aimed at making scientific knowledge accessible to laypeople. One thing that is exciting is to be teaching a whole non-fiction book in an English class, as opposed to a literary novel. It also means that if my seniors "miss" a week or two of reading, they can still catch up by reading the current chapter, since each chapter talks about different aspects of the future.

3. What other materials did you consider?

I looked at many other offerings online- this book was highly reviewed and is a more comprehensive look at the future than many others.

4. In what ways is this material better than the other materials? (Text format, organization content, unbiased content concerning minorities and women, teacher's guide, workbooks, etc.)

The chapters lend themselves well to class discussion and examination of different issues. One chapter, for example, focuses on the future of health and medicine. Some of our coursework will be around that when we reach that chapter. Additionally, each chapter is organized into a near future, (now-2030) midcentury, (2030-2070) and far future (2070-2100) section. These sections will be great for assigning discussion leaders and breaking up the chapters (which are relatively long- 9 chapters for 400 pages).

5. How does this material fit the students learning objectives for the subject area? This fits with ELA Common Core standards. Additionally, the text is explanatory in nature rather than a narrative- a rarity for an ELA class and something that will help build cross-curricular reading skills.
6. How does this material ensure continuity with the District's overall program? The district is adopting the career pathways framework. As a result, the English department has redesigned our senior English offerings to align with this new framework. Futurology is an English class, but it has relevance to students in many career pathways, such as the STEM pathway, the business and computer science pathway, and even our health pathway.

Instructional Materials Committee Evaluation Form cont.

7. Bias content checklist:

<u>Bias Content</u>	<u>Excellent</u>	<u>Good</u>	<u>Fair</u>	<u>Poor</u>	<u>Non-App.</u>
1. Presents more than one view point of controversial issues.		XXXX			
2. Presents minorities realistically.	XXXX				
3. Includes contributions of minority authors.	XXXX				
4. Presents non-stereotypic models					XXXX
5. Facilitates the sharing of cultural differences.					XXXX
6.					
7. Promotes the positive nature of differences					XXXX
8. Includes the contributions, inventions, or discoveries of minorities. (excellent)					
9. Includes the contributions, inventions, or discoveries of women. (excellent)					
10. Presents minorities in a manner that promotes ethnic pride.					XXXX
11. Facilitates an environment open to discovery and experimentation (excellent)					