

## BOARD AGENDA FORM

**Subject:** Proposed changes for Ames High School science courses beginning in 2015-16

**Prepared by:** Mandy Ross, Associate Superintendent

**Action Requested:** Discussion

**Executive Summary:** K-12 science is in the process of reviewing and evaluating its curriculum this year, led by Ms. Kari Smith, Math & Science Teacher Specialist. As part of the process, Ames High School science teachers have begun to evaluate the delivery of science classes to better align with the Iowa Core as well as national science curricula including Next Generation Science Standards (NGSS). NGSS has been under consideration for adoption in Iowa, so we have been using it as part of our planning and review.

Due to budget constraints, elementary and secondary teachers review together, but adopt new instructional materials in separate years. This year, 9-12 science teachers are slated for materials purchasing. However, with the adoption of student MacBooks, we recognize that this old purchasing and adoption model may need to be updated to reflect the rapid evolution of instructional materials.

Spence Evans, Ames High School principal, and Aileen Sullivan, Ames High Science Department Leader, will share some preliminary plans for updating AHS science instruction. This presentation is intended to give the Board and public a preview ahead of final plans to be shared for adoption and approval next spring.

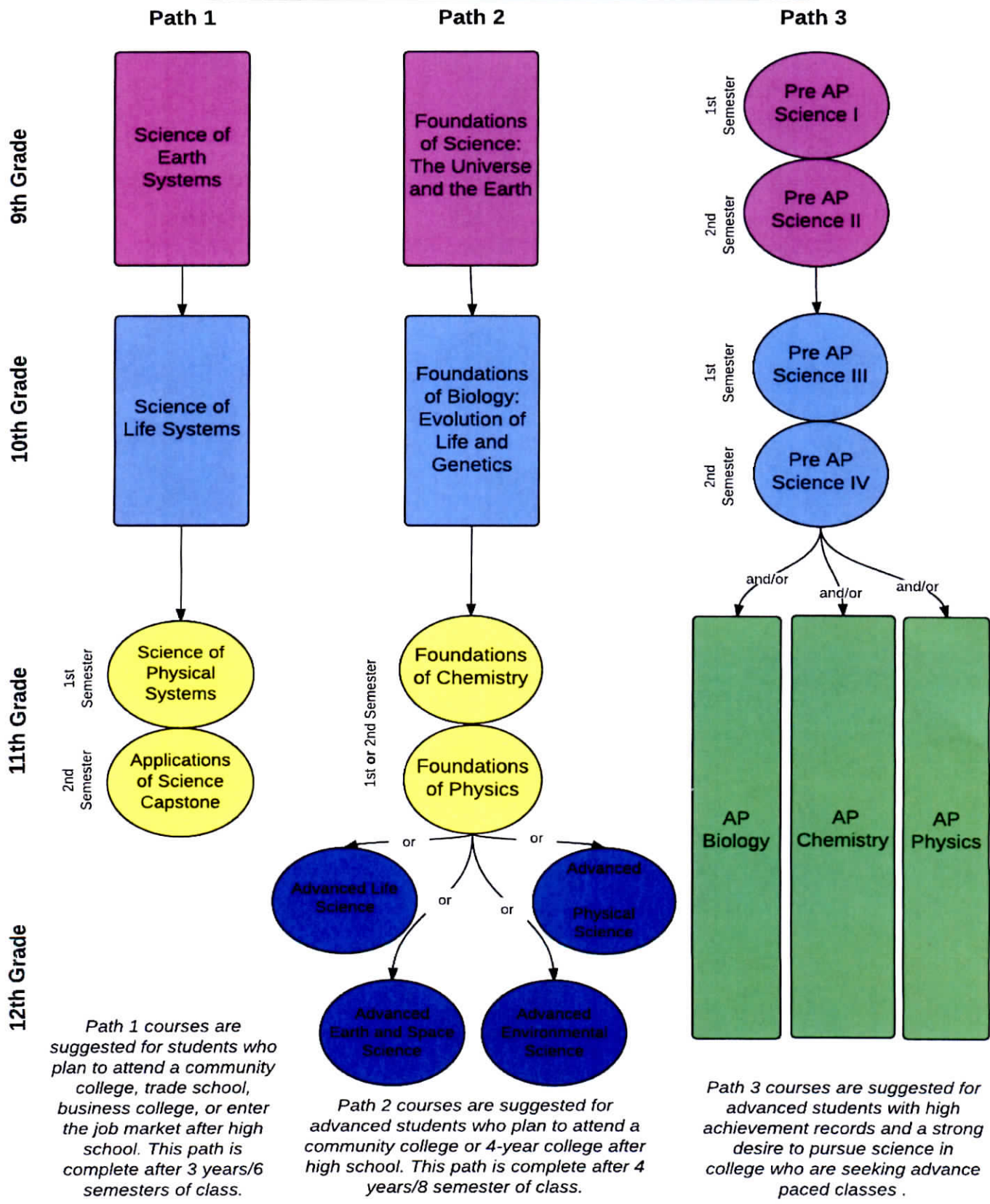
**Financial Information:**

Fund: N/A

Estimated Cost: None at the time

Budget Amount:

# AHS SCIENCE PROGRAM FLOWCHART





Content Area	Grade	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2018-2019	2019-2020	2020-2021	2021-2022	2022-2023
Literacy	PK-5	Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Review	Resources	Implement	Implement
Literacy	6-8		Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Review and Resources	Implement	Implement
Language Arts	9-12		Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Review and Resources	Implement	Implement
Math (Kari)	PK-5				Review and Resources	Implement	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Review
Math (Kari)	6-8				Review and Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Instructional Methods	Review and Resources
Math (Kari)	9-12				Review and Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Instructional Methods	Review and Resources
Science (Kari)	PK-5					Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods
Science (Kari)	6-8					Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods
Science (Kari)	9-12					Review and Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Review
Social Studies (Mandy)	PK-5					Review	Review	Resources	Implement	Implement	Implement	Implement	Instructional Methods
Social Studies (Mandy)	6-8					Review	Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods
Social Studies (Mandy)	9-12					Review	Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods
<b>Related Arts</b>													
Art (Mandy)	K-12					Review and Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Review
Music	K-12					Instructional Methods	Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods
PE	K-12					Instructional Methods	Instructional Methods	Instructional Methods	Review	Resources	Implement	Implement	Implement
Tech/Media	K-12					Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Review	Resources	Implement
<b>Voc. &amp; Tech</b>													
Business	6-12					Implement	Implement	Implement	Review	Resources	Implement	Implement	Implement
I-Tech (Mandy)	6-12					Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods
FCS	6-12					Instructional Methods	Instructional Methods	Instructional Methods	Review	Resources	Implement	Implement	Implement
<b>Others</b>													
Counseling (Yonas)	K-12				Review		Implement	Implement	Implement	Instructional Methods	Instructional Methods	Instructional Methods	Review
World Lang. (Mandy)	9-12					Implement	Review	Resources	Implement	Implement	Implement	Instructional Methods	Instructional Methods

Updated 7.11.14

**Description**  
**Review: Review and revise curriculum based on State/Federal mandates and research-based best practice. Board approval of curriculum revisions For Elementary, this would include updating Report Cards For Elementary, this would include reviewing and updating district-wide assessments**