Cobb STEM Distinguished Educator Awards

2016-2017

Purpose:

The Cobb STEM Distinguished Educator Awards are designed to recognize exceptional K-12 teachers in the Cobb County School District who have made a commitment to meaningfully implementing STEM (Science, Technology, Engineering and Mathematics) in their classroom.

Teachers may use their work for this award to upload as evidence into the TKES platform.

Guidelines:

Teachers are given a choice of activities they may complete to earn points. Activities/artifacts are loaded into an electronic portfolio and then verified by the CCSD STEM & Innovation Department. **Submissions for any of the award levels are due May 1, 2017.** Activities submitted for points must have been completed within the last 18 months prior to the due date. Awards are given once per year, in August.

Note: Many of the activities align with the STEM Georgia Educator Laureate Award Program and can concurrently earn you points towards the Georgia STEM certification! More information about this program can be found here: http://stemgeorgia.org/wp-content/uploads/2014/08/STEM-Georgia-Educator-Laureate-Awards-For-Participants.pdf

Eligibility:

Participants must be full-time, certified, K-12 teachers in the Cobb County School District.

Submission:

- Create a folder on CCSD's Office 365 OneDrive (or another comparable method such as Google drive) which is where you will upload your artifacts as you complete them. **Please be sure to include the Code number of the artifact *in the file name* so that it is easily identifiable to STEM & Innovation Department staff.**

- **Once you are ready for the STEM & Innovation Department to review your artifacts (by May 1, 2017)**, complete this brief award application: https://goo.gl/forms/EcbDe2RMaqWtZz8l1

Award Levels:

- **Bronze (350 badge points)**: Teacher will be recognized on the STEM website, receive a certificate for framing and a Cobb STEM Distinguished Educator logo to use beneath their name/email signature.
- **Silver (550 badge points)**: Teacher will be receive all benefits from Bronze level as well as a Cobb STEM Distinguished Educator lanyard and a Cobb STEM decal for their laptop.
- **Gold (750 badge points)**: Teacher will be receive all benefits from Silver level as well as their choice of a STEM Cobb lab coat or STEM Cobb tool belt.
- **Top Point Earner**: Teacher will be receive all benefits from Gold level as well as a Sphero robot (or similar STEM resource) and receive a trip to a GA educator conference of their choice.

Activities

<u>Notes</u>:

- To earn an award, a teacher must complete at least 1 activity from a minimum of 4 of the 6 categories below.
- Activities listed in each category can only be counted once in a school year unless otherwise noted.

Professional Learning

Code	Criteria	Points	Evidence
PL-1	Attend a non-mandatory local math, science, CTAE, or STEM professional learning conference.	25	Copy of certificate of completion/proof of participation OR photos of you at the event with identifying features in the background.
PL-2	Participate in Cobb's STEM Innovation Academy or PBL Academy (4 dates required throughout the year).	100 total (25 per day)	Verified by STEM & Innovation Department.
PL-3	Attend a STEM-related presentation at a state, regional, or national professional learning conference.	25	Copy of certificate of completion/proof of participation OR photos of you at the event with identifying features in the background.

PL-4	Conduct a STEM-related presentation/workshop at a district, regional, state, or national conference.	50	Copy of conference program.
PL-5	Earn a math or science endorsement from an accredited institution. *Note: This activity alone automatically qualifies you for the Bronze level award!*	350	Copy of teaching certificate showing endorsement.
PL-6	Complete the National Certificate for STEM Teaching program. *Note: This activity alone automatically qualifies you for the Bronze level award!*	350	Verified by STEM & Innovation Department
PL-7	Propose your own PL activity to tania.pachuta@cobbk12.org	TBD	TBD

Integration

Code	Criteria	Points	Evidence
I-1	Create an integrated STEM or PBL lesson that can be shared with other teachers across the district. *Notes:* • *View examples and use the templates found at http://www.stemcobb.com/k-5-stem-lessons.html* • *This activity can be completed a maximum of two times.*	25	Submit your plan to the STEM & Innovation Department for feedback/review.
I-2	Implement the (above) lesson and create a video showing implementation that can also be shared with other teachers.	50	Submit your video.
I-3	Submit four samples of student work representing a continuum of weak to strong work.	25	Student work samples.
I-4	Create an integrated STEAM lesson which meaningfully implements fine arts standards (dance, music, theatre, or visual). *Notes:* • *View examples and use the templates found at http://www.stemcobb.com/k-5-stem-lessons.html* • *This activity can be completed a maximum of two times.*	25	Submit your lesson plan.

Business/Community Partnerships

	Criteria	Points	Evidence
BC-1	Conduct a STEM activity with a business/ community/post-secondary partner.	25	Submit photos or videos of activity and provide a brief description.
BC-2	Collaborate with a business partner to develop an authentic, real-world lesson for students based upon the role of that business in the community.	25	Submit lesson plan and name/email of business partner.
BC-3	Seeks out and establishes a partnership within the community.	25	Submit documentation of partnership.
BC-4	Participate in a teacher externship program with a local STEM business/industry.	25-50 depending on length	Submit documentation of participation.

Student Participation

Code	Criteria	Points	Evidence
SP-1	Sponsor a STEM-related club/team at your school (ex: robotics, Science Olympiad, etc.).	100	Submit documentation of club meetings (agendas, photos of members, etc.).
SP-2	Take your sponsored team to a regional competition.	25	Submit documentation of participation in regional event.
SP-3	Organize and run a STEM-related fair at your school.	75	Submit documentation of event.
SP-4	Create/sponsor a STEM club targeting underrepresented groups in STEM fields.	50	Submit documentation of club meetings (agendas, photos of members, etc.).
SP-5	Engage class in a year-long citizen science project.	50	Submit documentation of project.
SP-6	Engage class in a year-long PBL activity to solve a problem at your local school.	50	Submit documentation of project.
SP-7	Involve your class in a STEM-related experience such as GA STEM Day or Hour of Code.	25	Submit documentation such as registration and photos of event.

Leadership

Code	Criteria	Points	Evidence
L-1	Provide outreach to teachers *within* your school seeking to increase STEM expertise.	25	Submit documentation of correspondence and contact information of mentee.
L-2	Provide outreach to teachers from *other* schools seeking to increase STEM expertise.	25	Submit documentation of correspondence and contact information of mentee(s).

Code	Criteria	Points	Evidence
L-3	Submit a proposal to Cobb Tank 2016 (Application due date 9/30/16): http://cobbtank.weebly.com/	25	Verified by STEM & Innovation Department.
L-4	Propose your own leadership activity to tania.pachuta@cobbk12.org.	TBD	TBD

Technology Integration

Code	Criteria	Points	Evidence
TI-1	Demonstrates effective use of technology in the classroom where students are producers of STEM digital content.	25	Samples of students' electronic work from throughout the year.
TI-2	Create and maintain a classroom blog where students post and/or respond to on a regular basis throughout the year.	50	Link to blog submitted at end of school year showing yearlong participation by students.
TI-3	Integrate technology effectively when delivering STEM lessons.	25	Submit 3 example lessons using innovative technology with students.